LUCKY TONE

Professional

Commercial Audio and Public Address Systems

Lucky tone Professional

- Good product guarantee
- Total solution from small venue to large complex
- One stop purchase with professional consultancy and service
- Strong customization capability
- Sophisticate R & D resources

Contents

MA Series Mixer Amplifiers

Cost Effective Mixer Amp with 5 inputs

MA-70   @ 70W RMS Power
MA-130   @ 130W RMS Power
MA-260   @ 260W RMS Power
MA-360   @ 360W RMS Power

▶ Discriptions:

Highly flexible mixer amplifiers available at 70, 130, 260 and 360W RMS power and equipped with all necessary microphone and aux inputs for a wide variety of voice and background music applications such as retail shops, restaurants and bars, service centers, houses of worship, warehouses and many more.

Features:

- ▶ Mic 1 with priority in the front
- ▶ 3 microphone and 2 auxiliary inputs
- ▶ 1 line output
- ▶ 100V, 70V and 4–16 Ohms transformerisolated speaker outputs
- ▶ Automatic mute function for paging and announcements
- ▶ Individual input gain controls with master volume control
- ▶ EMC Microphone with priority
- ▶ Bass and treble tone controls
- ▶ LED level meter
- ▶ Speaker output short circuit protection

SPECIFICATIONS	MA-70	MA-130	MA-260	MA-360
Rated Power Output	70W	130W	260W	360W
Output Regulation	Less than 3 dB (no load to full load)			
Frequency Response	60 – 15,000 Hz, +/– 3dB			
THD	Less than 0.5% at 1kHz (1/3 Rated Power)			
S/N Ratio	Better than 73dB			
Tone Controls	BASS: 100 Hz (+/– 10dB), TREBLE: 12k Hz (+/– 10dB)			
Controls	5 input gain, 1 treble, 1 bass, 1 mute, and power switch			
Cooling	Internal 12VDC fan, extensive heat sinking			
Indicators	Power indicator LED, LED output level meter 0, 2, 4, 6, 8, 10dB			
Protection	AC Fuse: 4A AC Fuse: 6A AC Fuse: 8A AC Fuse: 8A Current limiter, short circuit and thermal protection circuits			
Power Consumption	140W	260W	350W	485W
Power Requirments	220–240V AC, 50/60 Hz			
Dimensions	89(H) x 483(W) x 366(D) mm			
Built–in Dimensions	2 U rack 19 inch			
Carton Dimensions	185(H) x 520(W) x 435(D) mm			
Net Weight	10.04kg	11.36kg	13.68kg	14.08kg
Gross Weight	11.72kg	13.02kg	15.32kg	15.70kg
Finish	Panel: steel plate, black Case: steel plate, black			

REAR PANEL

LUCKY TONE

MA-70T 70W Mixer Power Amplifier with USB + Tuner

LUCKY TONE

Cost Effective Mixer Amp
with USB, Mp3 and Tuner built-in

MA-70T   @ 70W RMS Power
MA-130T   @ 130W RMS Power
MA-260T   @ 260W RMS Power
MA-360T   @ 360W RMS Power

▶ Discriptions:

Highly flexible mixer amplifiers available at 70, 130, 260 and 360W RMS power and equipped with all necessary microphone and aux inputs for a wide variety of voice and background music applications such as retail shops, restaurants and bars, serice centers, houses of worship, warehouses and many more.

Features:

- ▶ Mic 1 with priority in the front
- ▶ 3 microphone and 2 auxiliary inputs
- ▶ 1 line output
- ▶ 100V, 70V and 4-16 Ohms transformerisolated speaker outputs
- ▶ Automatic mute function for paging and announcements
- ▶ Individual input gain controls with master volume control
- ▶ EMC Microphone with priority
- ▶ Bass and treble tone controls
- ▶ LED level meter
- ▶ Speaker output short circuit protection

| SPECIFICATIONS	MA-70T	MA-130T	MA-260T	MA-360T
Rated Power Output	70W	130W	260W	360W
Output Regulation	Less than 3 dB (no load to full load)			
Frequency Response	60 - 15,000 Hz, +/- 3dB			
THD	Less than 0.5% at 1kHz (1/3 Rated Power)			
S/N Ratio	Better than 73dB			
Tone Controls	BASS: 100 Hz (+/- 10dB), TREBLE: 12k Hz (+/- 10dB)			
Controls	5 input gain, 1 treble, 1 bass, 1 mute, and power switch			
Cooling	Internal 12VDC fan, extensive heat sinking			
Indicators	Power indicator LED, LED output level meter 0, 2, 4, 6, 8, 10dB			
Protection	AC Fuse: 4A AC Fuse: 6A AC Fuse: 8A AC Fuse: 8A Current limiter, short circuit and thermal protection circuits			
Power Consumption	140W	260W	350W	485W
Power Requirments	220-240V AC, 50/60 Hz			
Dimensions	89(H) x 483(W) x 366(D) mm			
Built-in Dimensions	2 U rack 19 inch			
Carton Dimensions	185(H) x 520(W) x 435(D) mm			
Net Weight	10.04kg	11.36kg	13.68kg	14.08kg
Gross Weight	11.72kg	13.02kg	15.32kg	15.70kg
Finish	Panel: steel plate, black Case: steel plate, black			

REAR PANEL

LUCKY TONE

MX-8800 Audio Matrix   MX-8800

- ▶ 8 in and 8 out audio matrix
- ▶ For use with or without remote microphone
- ▶ 8 stereo Aux input with gain control
- ▶ 8 try contact inputs for emergency message triggering, and neighboring floor N±4
- ▶ 8 try contacts for triggering timer announcements with aux 8 input
- ▶ LED display for channel selected
- ▶ Bass and treble tone controls

REAR PANEL
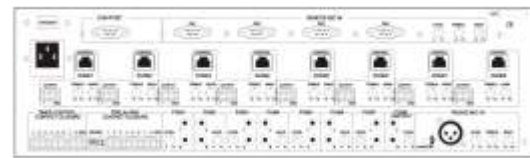
SPECIFICATIONS   MX-8800

Aux Inputs BGM	−10dB, unbalanced
EMG Mic Input	−55dB, balanced
Remote microphone	0dB, balanced
Audio Output	0dB, balanced
Digital Record Playback	Max 480s, Factory Setting: English
EQ Control	Treble: ± 12dB at 10kHz; Bass: ± 12dB at 100Hz
Frequency Response	Aux: 60Hz~15kHz, ± 3dB; Mic: 100Hz~10kHz, ± 3dB
Signal to Noise Ratio	>90dB
THD	<0.01%
RS−422	Speed: 19200bps; Communication Distance: Max 1000m
Power Consumption	50W
Power Requirements	AC 100 to 120VAC or AC 220−240 VAC 50−60Hz
Dimensions	132(H) x 483(W) x 280(D) mm

RM 88 8 ZONE Remote Microphone   RM-88

- ▶ 8 zone individual keys and "all zone" selection
- ▶ Power / busy / ready status LED indicators
- ▶ Audio output level LED display
- ▶ Up to 4 RM−88 remote mice station can be connected to MX−8800 controller
- ▶ Running status indicators of 4 RM−2088
- ▶ Audio output level control
- ▶ Built−in various chime selection
- ▶ Pust−to−talk or lock mode

REAR PANEL

SPECIFICATIONS   RM-88

Microphone Input	−50dB, balanced
Audio Output	0dB, balanced
Signal to Noise Ratio	>90dB
THD	<0.01%
Power Consumption	10W
Weight	1.5kg
Power Requirements	24VDC
Dimensions	69(H) x 175(W) x 210(D) mm

Remote Wall Control Panel   LM-88

- ▶ Select PGM source of MX−8800 for each zone
- ▶ Volume control of MX−8800 PGM source
- ▶ Alphanumeric indicator of PGM source channel
- ▶ Local stereo line input and microphone input with volume control
- ▶ Powered by main controller MX−8800

REAR PANEL

SPECIFICATIONS   LM-88

Microphone Input	−50dB, balanced
Audio Output	0dB, balanced
Signal to Noise Ratio	>90dB
THD	<0.01%
Power Consumption	<5W
Line Input	−20dB, unbalanced
Power Requirements	24VDC
Dimensions	86(H) x 172(W) x 40(D) mm

MX-8800 8 in and 8 out audio matrix system

▶ **System Overview**

▶ **Discriptions:**

This MX-8800 8x8 audio matrix system is a new audio matrix PA system design with latest digital control technology. The system features innovative, advanced, efficient, compact, integrative and easy-to-operate. The flexible makes it ideal for any type of multi-zone system, including hotels, airports, casinos, hospitals, conference centers, and restaurants.

Features:

▶ Flexible audio matrix including public address, BGM, and voice evacuation

▶ Individual BGM and selection paging up to 8 zones

▶ RM-88 remote mic station with 8-key keypad for zone selection. UP to 4 RM-88 for 1 matrix controller.

▶ RM-88/LM-88A remote modules are up to 1000 meters with reliable RS-422 protocol

▶ MX-8800 controller build-in 8 minutes flash recording memory for voice alarm message

▶ PPT emergency paging microphone to control the main unit directly from the front panel

▶ Built-in monitor speaker for real time monitoring the music playing in each zone
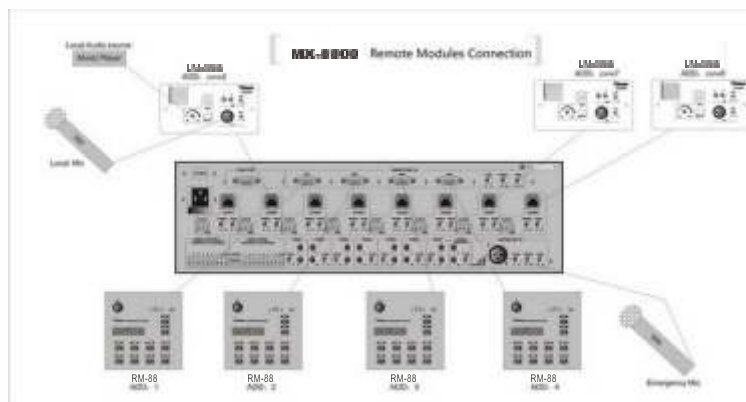
Connection Diagram

Powerful Booster Amplifier

Steady and powerful performance

PA-360   @ 360W RMS Power
PA-460   @ 460W RMS Power
PA-660   @ 660W RMS Power

▶ Discriptions:

This range of amplifier is designed for commercial and industrial grade public address application.With efficiently components, it delivers 360 to 660 watts of clean, reliable audio for the most demanding public address applications.

Rugged and over-built to give years of dependable service, they are equipped with massive torrodial power transformers, extensive heat-sinking and fan cooling, protective circuits such as over-temperature, short circuit, RFI, clip, overload and soft start.

Features:

▶ Flexible power rating of 360/460/660W

▶ Master Volume control in the front

▶ 100V, 70V and 4-16 Ohms transformerisolated speaker outputs

▶ Combination XLR/RCA Line In and Line Out connectors

▶ LED status indicators

▶ Speaker output short circuit protection

SPECIFICATIONS	PA-360	PA-460	PA-660
Rated Power Output	360W	460W	660W
Output Regulation	Less than 3 dB (no load to full load)		
Output	775V, 0dB, XLR and phone jack		
Frequency Response	60 - 16,000 Hz, +/- 3dB		
THD	Less than 0.5% at 1kHz (1/3 Rated Power)		
S/N Ratio	Better than 73dB		
Slew Rate	15V/uS		
Controls	Volume control and power switch		
Cooling	Internal 12VDC fan, extensive heat sinking		
Indicators	Power, Clip, Signal, Protect, and Temp LEDs		
Protection	AC Fuse: 10A	AC Fuse: 12A	AC Fuse: 15A
	Current limiter, short circuit and thermal protection circuits		
Power Consumption	485W	620W	880W
Power Requirments	220-240V AC, 50/60 Hz		
Dimensions	89(H) x 483(W) x 366(D) mm		
Built-in Dimensions	2 U rack 19 inch		
Carton Dimensions	185(H) x 520(W) x 435(D) mm		
Net Weight	15.12kg	17.66kg	20.8kg
Gross Weight	16.76kg	19.30kg	22.3kg
Finish	Panel: steel plate, black Case: steel plate, black		

REAR PANEL

4 Channel or 2 channel class D power amplifier

Cost Effective high efficient with individual power supply for each channel

DA-2300   @ 2*300W RMS Power
DA-4300   @ 4*300W RMS Power
DA-2600   @ 2*600W RMS Power
DA-4600   @ 4*600W RMS Power

▶ Discriptions:

Highly flexible class D amplifiers available at 300W, 600W RMS Power, 2 channel and 4 channels respe
-ctively, and equipped with phoenix inputs for a wide variety of voice and background music applications such as retail shops, restaurants and bars, service centers, houses of worship, warehouses and many more.

Features:

▶ High efficient at 80 to 90% conversion rate

▶ Light weight and compact 1U design

▶ Ground connectiong

▶ Reliability. Each channel has individual power supply to ensure the highest standard

▶ Individual volume control for each channel

▶ LED level meter

▶ Speaker output short circuit protection

SPECIFICATIONS	DA-2300	DA-4300	DA-2600	DA-4600
Rated Power Output	2*300W	4*300W	2*600W	4*600W
Output	100V, (33k ohm, 1Khz)		100V, (33k ohm, 1Khz)	
Frequency Response	20 – 20,000 Hz, less than 0.1%			
THD	Less than 0.1% at 20 – 20,000 Hz			
S/N Ratio	Better than 90dB			
Audio Inputs	10k Ohm unbalance, 20k ohm balance; input sensitivity + 4 dB (1.23V)			
Controls	Volume control for each channel			
Cooling	Cooling fan, extensive heat sinking			
Indicators	Power indicator LED, LED for Signal, Peak and protect			
Protection	Amplifier: DC output, overheat, over current and short circuits Power supply: Overheat and AC overload			
Power Consumption	720W	1440W	1440W	2880W
Power Requirments	220–240V AC, 50/60 Hz			
Speaker Output	100V line, M4 screw terminal			
Built-in Dimensions	1 U rack 19 inch			
Carton Dimensions	185(H) x 520(W) x 435(D) mm			
Net Weight	5.5kg	7.5kg	6kg	8kg

REAR PANEL

160 Zone paging station AL-10R

Flexible with long distance audio transmition!

- ▶ Paging up to 16pcs of AL10P at 160 zones
- ▶ Long distance at 1KM
- ▶ Built-in pleasant chime
- ▶ High resolution LED showing the address of AL-10P paging to
- ▶ With high sensitivity gooseneck microphone and line in
- ▶ Up to 4pcs of AL-10R for the system
- ▶ Automatic mute function
- ▶ All call function

SPECIFICATIONS	AL-10R
Input	Gooseneck mic: 600 ohms, 5mV, unbalanced, XLR Line in: 10k ohms, 775mV, unbalanced, RCA jack Line out: bigger than 775mV,(0dB) unbalanced
Control zones	Channel 1 to 10
Frequency Response	MIC:100Hz – 10kHz (+/– 3dB); Line: 20Hz – 15kHz
S/N Ratio	Better than 70dB
THD	Less than 0.1% at 1kHz
Power consumption	5–10W
Power Requirements	220–240V AC, 50/60 Hz
Dimensions	80(H) x 75(W) x 205(D) mm

10-channel paging selector   AL-10P

- ▶ Paging up to 10 speaker zones
- ▶ With 10 try contact in and out
- ▶ Built-in pleasant chime
- ▶ With 1 mic, 2 aux and 4 remote paging microphone inputs
- ▶ 4 priority levels MIC1 highest priority to EMC MIC, remote paging MIC and aux as last
- ▶ LED indicator for all the zones

SPECIFICATIONS	AL-10P
MIC Input	600 ohm 5mv, unbalance
Line input	10 K ohm, bigger or equals to 220mv unbalance
Line output	Bigger than 775mV at 0dB, Unbalance
Freq. response	MIC 100Hz–15KHz; Line 60HZ–15Khz at +/– 3dB
THD	Less than 0.01% at 1Khz
S/N Ratio	Bigger than 70dB
Protection	AC Fuse: 0.5A
Mute attenuation	Line 1 and MIC mute line 2 at 0–30dB
Power Requirements	220–240V AC, 50/60 Hz
Dimensions	89(H) x 483(W) x 366(D) mm
Built-in Dimensions	2 U rack 19 inch
Net Weight	6.4kg

Power Booster Amplifier with 24VDC

Steady and powerful performance

PA–120DC   @ 120W RMS Power
PA–240DC   @ 240W RMS Power
PA–360DC   @ 360W RMS Power

▶ Discriptions:

This range of amplifier is designed for commercial and industrial grade public address application.With efficiently components, it delivers 120 to 360 watts of clean, reliable audio for the most demanding public address applications.

Rugged and over–built to give years of dependable service, they are equipped with massive torrodial power transformers, extensive heat–sinking and fan cooling, protective circuits such as over–temperature, short circuit, RFI, clip, overload and soft start.

Features:

▶ Flexible power rating of 120/240/360W

▶ 400Hz high pass filter for horn connection

▶ 100V, 70V and 4Ohms transformerisolated speaker outputs

▶ Combination XLR input with XLR Link out connectors

▶ Ground selectable with frame and float

SPECIFICATIONS	PA-120DC	PA-240DC	PA-360DC
Rated Power Output	120W	240W	360W
Amplification	Analog 100V Transformer Type		
Output	100V, 70V and 4 Ohms		
Frequency Response	60 – 20,000 Hz, +/– 3dB		
THD	Less than 1% at 1kHz (1/2 Rated Power)		
S/N Ratio	Better than 90dB		
Gain Controls	–12dB to 0		
Controls	Gain control and power switch		
Cooling	Internal 12VDC fan, extensive heat sinking		
Indicators	Power, Clip, Signal, Protect, and Temp LEDs		
Power Consumption	260W	500W	760W
Power Requirments	220–240V AC, 50/60 Hz; 24VDC		
Dimensions	89(H) x 483(W) x 366(D) mm		
Built–in Dimensions	2 U rack 19 inch		
Carton Dimensions	185(H) x 520(W) x 435(D) mm		
Net Weight	13.12kg	17.66kg	20.8kg
Gross Weight	16.76kg	19.30kg	22.3kg
Finish	Panel: steel plate, black Case: steel plate, black		

REAR PANEL

Powerful Booster Amplifier

Steady and powerful performance

PA-1000 @ 1000W RMS Power
PA-1500 @ 1500W RMS Power

▶ **Discriptions:**

This range of amplifier is designed for commercial and industrial grade public address application.With efficiently components, it delivers 360 to 660 watts of clean, reliable audio for the most demanding public address applications.

Rugged and over-built to give years of dependable service, they are equipped with massive torrodial power transformers, extensive heat-sinking and fan cooling, protective circuits such as over-temperature, short circuit, RFI, clip, overload and soft start.

Features:

▶ Flexible power rating of 360/460/660W

▶ Master Volume control in the front

▶ 100V, 70V and 4-16 Ohms transformerisolated speaker outputs

▶ Combination XLR/RCA Line In and Line Out connectors

▶ LED status indicators

▶ Speaker output short circuit protection

SPECIFICATIONS	PA-1000	PA-1500
Rated Power Output	1000W	1500W
Output Regulation	Less than 3 dB (no load to full load)	
Output	775V, 0dB, XLR and phone jack	
Frequency Response	50 - 18,000 Hz, +/- 1.5dB	
THD	Less than 0.5% at 1kHz (1/3 Rated Power)	
S/N Ratio	Better than 105dB	
Slew Rate	40V/uS	
Controls	Volume control and power switch	
Cooling	Internal 12VDC fan, extensive heat sinking	
Indicators	Power, Clip, Signal, Protect, and Temp LEDs	
Protection	AC Fuse: 20A Current limiter, short circuit and thermal protection circuits	
Power Consumption	1350W	2000W
Power Requirments	220-240V AC, 50/60 Hz	
Dimensions	133(H) x 483(W) x 366(D) mm	
Built-in Dimensions	3 U rack 19 inch	
Carton Dimensions	185(H) x 520(W) x 435(D) mm	
Net Weight	25.0kg	27.0kg
Gross Weight	27.5kg	30.0kg
Finish	Panel: steel plate, black Case: steel plate, black	

REAR PANEL

LUCKY TONE

Pre- Amplifier AL-11P

With multi versatile inputs

Discriptions:

▶ The AL−11P is a versatile mixer pre−amplifier with 4 microphone inputs, 3 auxiliary inputs, 2 emergency inputs (high priority) and mute function.

▶ MIC1, EMC1, EMC2 are priority inputs, automatically muting all other signal inputs. MIC1 has the highest priority, able to suppress all other inputs.

▶ With bass and treble control, automatic mute function for paging and individual gain control for all the inputs.

SPECIFICATIONS	AL-11P
Input	MIC 1, 2, 3, 4: 600 ohms, 5mV, unbalanced, phone jack AUX 1, 2, 3: 10k ohms, 200mV, unbalanced, RCA jack EMC 1, 2: 10k ohms, 200mV, unbalanced, phone jack
Output	600 ohms, 775mV, 0 dB, RCA jack
Frequency Response	60Hz − 15kHz (+/− 3dB)
S/N Ratio	Better than 70dB
THD	Less than 0.1% at 1kHz
Tone Controls	BASS: 100 Hz (+/− 10dB), TREBLE: 12k Hz (+/− 10dB)
Muting Function	MIC1 overrides other input signals with 0~30 dB attenuation EMC1 overrides other input signals except MIC 1
Power Requirements	220−240V AC, 50/60 Hz
Dimensions	89(H) x 483(W) x 366(D) mm

10-CHANNEL MONITOR PANEL AL-10M

Discriptions:

▶ With built−in high fidelity loudspeaker monitoring up to 10 zones. 6 LED dB level meter clearly indicate the channel level status.

▶ The monitoring volume is adjustable as well as the 10 channel position selection.

SPECIFICATIONS	AL-10M
Input	70/100V audio signal
Monitored Channels	10
Audible Monitor	Full−range loudspeaker, 500mW
Visual Monitor	6−element LED display, infinite, 0, 2, 4, 6, 8, 10 dB
Controls	Monitor volume, channel select and power switch
Indicators	Power LED
Protection	AC Fuse: 0.5A
Power Consumption	10−15 watts
Power Requirements	110−120V or 220−240V AC, 50/60 Hz; 24VDC
Dimensions	89(H) x 483(W) x 366(D) mm
Built−in Dimensions	2 U rack 19 inch
Net Weight	6.1kg

16 Zone speaker selector   AL-16S4

Discriptions:

▶ This speaker selector controls up to 16 speaker outputs and 4 audio inputs.

▶ Flexible multi–input speaker selector arranged in a 4 x 4 matrix with priority override. 16 speaker zones are divided into 4 groups, each group can have a separate audio source. A priority bus is provided to mute background music for zone paging and emergency alarms.

SPECIFICATIONS	AL-16S4
Input	4 program and 1 priority channels, 70/100V audio signal
Speaker Output	4 groups of 4 zones, 70/100V audio signal
Priority Bus	16 channels, activated by 0V signal
Power Handling	1.5kW total capacity, 375W per channel
Alarm Output	0V signal
Controls	16 pushbutton zone selectors, 1 power switch
Power Requirements	110–120V or 220–240V AC, 50/60 Hz; 24VDC
Dimensions	89(H) x 483(W) x 366(D) mm

2*5 10 Zone speaker selector   AL-10S2

Discriptions:

▶ High power handling and flexible model with 2 amplifier inputs and 2 groups of speaker outputs the AL–10S2

▶ Two 5–zone speaker selectors with separate audio sources or as a 10–zone selector with a single audio source.

SPECIFICATIONS	AL-10S2
Input	2 program channels, 70/100V audio signal
Speaker Output	2 groups of 5 zones, 70/100V audio signal
Priority Bus	N/A
Power Handling	1.5kW total capacity, 150W per zone
Alarm Output	N/A
Controls	10 pushbutton zone selectors, 1 power switch
Power Requirements	110–120V or 220–240V AC, 50/60 Hz; 24VDC
Dimensions	89(H) x 483(W) x 366(D) mm

10 Zone speaker selector   AL-10S

▶ With flexible A/B amplifier inputs for auto switch from BGM and Emergency amplifier

▶ Control up to 10 speaker zone outputs

▶ Essential for analog medium PA system

▶ LED status indicators

▶ 10–channel priority bus

▶ 2 alarm activation outputs

SPECIFICATIONS	AL-10S
Input	1 program and 1 priority channels, 70/100V audio signal
Speaker Output	1 group of 10 zones, 70/100V audio signal
Priority Bus	10 channels, activated by 0V signal
Power Handling	1.5kW total capacity, 150W per zone
Alarm Output	0V signal
Controls	10 pushbutton zone selectors, 1 power switch
Power Requirements	110–120V or 220–240V AC, 50/60 Hz; 24VDC
Dimensions	89(H) x 483(W) x 366(D) mm

CENTRAL PROCESSOR   D-COM

▶ A convenient way to manage all settings and events over multiple addressable devices.

▶ With 12' inch touchable screen for easy operation.

▶ Schedule broadcast with weekly, daily or monthly settings.

▶ Power on/off programmable.

▶ Easy to add/del/edit programs.

▶ Paging all function, 4 player sources provided.

▶ Support all formats that can be played in Microsoft media player.
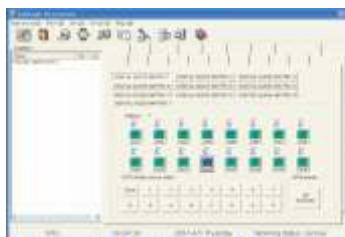
When used with the D-MTX16 Audio Matrix, the D-COM reveals the source inputs for each of the amplifier output channels. Any of the source inputs can be selected to any of the amplifier outputs, greatly increasing the convenience of operation.

The D-T6 Program Timer works perfectly with the D-COM providing optimized control over the PA systems timed events and programs. A quick glance is all that is needed to review channel settings and status.

For speaker zone selection, the D-MTX4 16-zone speaker selector partners with the D-COM allowing convenient labeling and selection of up to 16 speaker zones. All zones can be quickly selected on and off for greater convenience in operation.

System time calibration
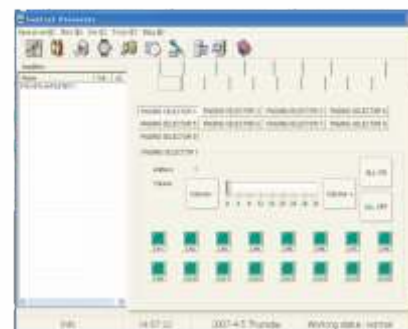
Paging selector

16 X 16 AUDIO MATRIX   D-MTX16

REAR PANEL

▶ A powerful Audio Matrix to multiple sources distribution with scheduled broadcast.

▶ Can be simulated in UI of D-COM and achieve central management through RS-485

▶ 16 audio inputs and 16 audio outputs.

▶ With LCD display for convenient monitoring and controls.

▶ Priority bus for zone paging and emergency alarm.

SPECIFICATIONS	D-MTX16
Input	16 channels: 1 to F inputs,EMC2 (for emergency paging)
Output	16 channels:(1,2,3,4,5,6,7,8,9,10,11,12,13, 14,15,16 outputs)
Frequency Response	60Hz – 16kHz (+/– 3dB)
S/N	NA
THD	NA
Indicators	LCD display, power LED
Protection	AC Fuse: 0.5A
Power Consumption	15–20 watts
Power Requirements	110–120V or 220–240V AC, 50/60 Hz; 24VDC
Dimensions	133(H) x 483(W) x 390(D) mm
Built–in Dimensions	3 U rack 19 inch
Net Weight	7.1kg
Gross weight	8.4Kg

REMOTE PAGING STATION   D-MCS16

REAR PANEL

▶ Manage up to 8 pcs of D-MCS16 for total 128 loudspeaker lines.

▶ Communication via maximum 600 meters distance .

▶ With CHIME tone settings.

▶ All ON/OFF button.

SPECIFICATIONS	D-MCS16
Input	600 ohms, 5mv un balanced(MIC)
Output	10k ohms, 10v balanced
Frequency Response	MIC,Line: 100Hz –16kHz (+/– 3dB)
S/N	Better than 70dB
THD	Less than 0.1% at 1kHz
Indicators	Indicators for 16 zones and 8 units
Protection	AC Fuse: 0.5A
Power Consumption	5–10 watts
Power Requirements	DC 24V
Dimensions	70(H) x 238(W) x 170(D) mm
Built–in Dimensions	NA
Net Weight	2.3kg
Gross weight	3.2kg

Link with D-MTX16 Audio Matrix

600 M

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SPEAKERLINE SELECTOR   D-MTX4

- ▶ A 4 X 4 Matrix managing 16 loudspeaker line outputs with priority override settings.
- ▶ Can be simulated into D–COM control UI.
- ▶ With 1.5KW per loudspeaker line power handling.
- ▶ Support 4 audio source and 4 alarm inputs.

REAR PANEL

SPECIFICATIONS	D-MTX4
Input	4 program and 4 priority channels, 70/100V audio signal
Speaker Output	4 groups of 4 zones, 70/100V audio signal
Power handling	3KW total capacity, max 1.5 KW per channel
Alarm Output	0V signal
Controls	power switch,16 pushbotton zone selectors,3 menu buttons(UP、DOWN、ENTER), all on and all oft, address setting(1 digit)
Power Requirements	AC 220V ± 10% 50–60Hz;24VDC
Dimensions	133(H) x 483(W) x390(D) mm

SPEAKERLINE SELECTOR   D-ZS16

- ▶ 16 loudspeaker line selector.
- ▶ Power handling of each zone achieve 1.5kW.
- ▶ One audio input and one alarm input.
- ▶ With ALL ON/OFF selector.

REAR PANEL

SPECIFICATIONS	D-ZS16
Input	70/100V audio signal
Output	Output maximum for each zone:150W
Priority Bus	16 channels activated by 0V signal
Power Handling	1.5kw total capacity
Alarm Output	0V signal
Controls	16 pushbutton zone selectors, 1 power switch
Power Requirements	AC 220V ± 10% 50–60Hz;24VDC
Dimensions	89(H) x 483(W) x 350(D) mm

SPEAKERLINE SUPERVISION   D-LSM10

- ▶ Has 10 independent circuit supervision for 10 loudspeaker lines.
- ▶ Dual color indicators to show the status.
- ▶ Reliable and compact design.
- ▶ Easy to use and wire.

REAR PANEL

SPECIFICATIONS	D-LSM10
Power Handling	360W per channel(100V Audio signal)
Check Time	About 5 seconds
Reset Time	About 5 milliseconds
Checking Sensitivity	2 ohm + / –1 ohm
Power Requirements	110–120V or 220–240V AC, 50/60 Hz;
Protection	AC fuse: 0.5A
Power Consumption	30 W
Built–in Dimensions	2 U rack 19 inch
Net/Gross Weight	6.02/7.2 kg
Dimensions	89(H) x 483(W) x 382(D) mm

LUCKY TONE

ZONE PAGING SELECTOR   D-PREC16

REAR PANEL

▶ 16 zone selectors for paging with 4 priority levels.

▶ Up to 8 units can be extended to control over 128 paging zone.

▶ Remote paging selection can be achieved by using with maximum 4 D-PCS16 CALL STATION.

SPECIFICATIONS	D-PREC16
Input	MIC: 600 ohms 5mV , unbalanced, phone jack RMIC 1, 2, 3, 4: 10k ohms 10V , balanced, Rj45 LINE In,10k ohms 330mV , unbalanced PRIORITY IN: 16 channels, 0V short circuit signal
Output	10k ohms 0.775V (0 dB) , unbalanced PRIORITY OUT: 16 channels, 0V short circuit signal
Frequency Response	60Hz – 16kHz (+/– 3dB)
S/N Ratio	Better than 70dB
THD	Less than 0.01% at 1kHz
Zone Controls	16 zones, Zone 1 to Zone 16, expandable to 160 zones
Muting Function	MIC1 overrides other input signals except LINE 1
Controls	2 volume control button vol+,vol–, 16 channel selectors,1 power control,all on,all off,address setting, tone switch, MIC volume control,CHIME volume control, main power switch
Indicators	16 Zone LEDs, Power LED
Protection	AC Fuse: 0.5A
Power Consumption	10–15 watts
Power Requirements	AC 220V ± 10% 50–60Hz;24VDC
Dimensions	89(H) x 483(W) x 350(D) mm
Built–in Dimensions	2 U rack 19 inch
Net Weight	5.42kg

REMOTE CALL STATION   D-PCS16

REAR PANEL

▶ Works together with D–PREC16.

▶ Reliable control by firm hard button.

▶ Can connect to additional paging mics.

▶ Address selector provides for accessing additional paging selectors.

▶ LINE IN for connection to audio source.

▶ Control up to 8pcs of D–PREC16.

▶ Balanced signal input for quality and distant transmission up to 600m.

SPECIFICATIONS	D-PCS16
Mic Input	600 ohms, 5mv un balanced
Line input	10k ohms, 10v balanced
Frequency Response	MIC,Line: 60Hz –16kHz (+/– 3dB)
S/N Ratio	Better than 70dB
THD	Less than 0.1% at 1kHz
Zone Controls	16 zones, Zone 1 to Zone 16, up to 128 zones w/ address selector
Controls	Volume control, 8 zone paging selectors, 16 channel selectors,all on,all off, power switch, address setting,1 tone controller,1 MIC controller
Indicators	Indicators for 16 zones and 8 speaker selectors, MIC on/off
Protection	AC Fuse: 0.5A
Power Consumption	5–10 watts
Power Requirements	AC 220V ± 10% 50–60Hz
Dimensions	70(H) x 238(W) x 170(D) mm
Net Weight	2.3kg
Gross Weight	3.2kg

PROGRAMMABLE TIMMER   D-T6

▶ A Programmable power supply activating timer.

▶ Provide power source for up to 6 devices.

▶ Scheduled task settings for AUTO power activating management.

▶ D−T6 can optionally work with the D−ACPS16 power sequencer .

REAR PANEL

SPECIFICATIONS	D-T6
Power Output	Power of each channel AC220V/1A
Audio Output	Chime signal
Alarm In/Out	0V, short circuit signal
Controls	3 menu operation buttons,1 power switch, 6 manual channel selectors(CH1 ~ CH5,TIMER) , 1 address setting(1digit),1 connection terminal
Indicators	POWER, CH1~CH5, TIMER
Power Consumption	10–15 watts
Power supply	AC 220V +/− 10% 50–60Hz; 24VDC
Dimensions	89(H) x 483(W) x 350(D) mm
Net Weight	5.2kg

16 CHANNEL MONITOR PANEL   D-MTR16

▶ Monitor up to 16 loudspeaker lines with built−in high fidelity loudspeaker.

▶ With LCD display to show level meter of 16 loudspeaker lines.

▶ Volume of monitoring can be adjusted.

▶ Menu control over loudspeaker line selection and volume level.

REAR PANEL

SPECIFICATIONS	D-MTR16
Input	70/100V audio signal
Trigger Out	0V signal for Power activation
Monitor Speaker	Built−in stereo HiFi full range speaker, power>500mW
Controls	1 Power switch,2 volume controls
Protection	AC Fuse: 0.5A
Volume Level	7 levels, controllable by DCI-100 II computer
Power Consumption	10–15 watts
Net weight	5.1Kg
Dimensions	89(H) x 483(W) x 350(D) mm

EMERGENCY PANEL   D-EMP3

▶ Delivering alarming sound when it is triggered by external signal or manually control.

▶ Voice message can be recorded in built−in memory by using microphone or other audio sources.

▶ It is designed to work with D−PREC16, D−PREM10, DCI−19A II and D−MTX4.

REAR PANEL

SPECIFICATIONS	D-EMP3
Input	MIC :5mV , 600 ohms,unbalanced LINE:330mV , 10k ohms, unbalanced
Output	10k ohms 330mV (0 dB) , unbalanced
Frequency Response	Alarm siren or record:100 Hz ~ 3.4k Hz (+ / − 3 dB) MIC input or audio input:60 Hz ~ 16k Hz (+ / − 3 dB)
THD	Less than 0.01% at 1kHz
ADC/DAC	Sampling frequency: 8kHz, 5-bit;
Controls	Play/rec controls, volume, rec level and power
Alarm Activation	0V Short Circuit Signal
Recording Time	MSG 1, MSG 2, False Alarm 60 up to 60 Seconds Each
Protection	AC Fuse: 0.5A
Power Consumption	10–15 watts
Power Requirements	AC 220V + / − 10% 50–60Hz; 24VDC
Dimensions	89(H) x 483(W) x 350(D) mm
Built-in Dimensions	2 U rack 19 inch
Net Weight	4.8Kg
Gross Weight	6.0kg
Finish	Black

32-CHANNEL ALARM MATRIX   D-AMTX32

REAR PANEL

- ▶ 32 contacts I/O interfacing with FIRE ALARM system for emergency triggering.
- ▶ Support up to 9 adjacent zones of alarm setting.
- ▶ Can be monitored by D-COM through RS-485 interface.

SPECIFICATIONS	D-AMTX32
Input	32 channel alarm signals, ov
Output	32 channels divided into 2 groups of 16, 0V Active out: 0V short circuit signal
Adjacent Zones Range	0,+/- 1, +/- 2, +/- 3, +/- 4
Controls	Power switch, address setting dip,and adjacent zone selector,
Indicators	POWER indicator, CH1 ~ CH32 alarm status indicators
Protection	AC Fuse: 0.5A
Power Consumption	15-20 watts
Power Requirements	AC 220V + / - 10% 50-60Hz; 24VDC
Dimensions	89(H) x 483(W) x 350(D) mm
Built-in Dimensions	2 U rack 19 inch
Net Weight	5.2Kg
Gross Weight	6.4Kg

TELEPHONE INTERFACE   D-TEL

REAR PANEL

- ▶ Automatically answer incoming call and proceed broadcast through voice guide operation.
- ▶ ALL CALL or Zone Paging.
- ▶ Can connect to microphone input for intercommunicating with caller.
- ▶ Support remote start up and triggering through telephone.
- ▶ AUTO mode and MANUAL mode selectable.
- ▶ Built-in monitor loudspeaker for monitoring and volume is adjustable.

SPECIFICATIONS	D-TEL
Input	TEL: RJ-11 connector; MIC: 400-775mV(0dB)
Output	Audio Output: 10mV-330V; Active Out: 0V short circuit singal
Phone Monitor	Built-in stereo HiFi full range speaker, power>100mW
Ring times	2-5 times
Protection	AC Fuse: 0.5A
Power Consumption	10~15 watts
Power Requirements	AC 220V +/- 10% 50-60Hz; 24VDC
Dimensions	89(H) x 483(W) x 350(D) mm

POWER SEQUENCER   D-ACPS16

REAR PANEL

- ▶ Manage power supply for up to 16 system components in orders.
- ▶ AC mains overload preventing.
- ▶ Total capacity support 2 kW.
- ▶ Can be worked with D-T6.

SPECIFICATIONS	D-ACPS16
Channels	16 CHANNELS (CH1~CH16)
Input	AC220V, 20A
Output	280W/ Channel
Sequence Interval	0.4S ~ 0.5S
Power Handling	2kW total capacity
Controls	Power ON/OFF switch
Power Consumption	25-30W
Indicators	POWER,CH1 ~ CH16,TIMER
Power Requirements	AC 220V +/- 10% 50-60Hz
Dimensions	133(H) x 483(W) x 390(D) mm

16-CHANNEL 24 VDC SUPPLY   D-DCPS16

▶ Manage 16 loudspeaker line overriding Public Address broadcast by output 24 VDC .

▶ Activated by a 16–channel input and the input alarm signals control the 24V power source outputs.

▶ Can work with volume control and other emergency activating devices.

REAR PANEL

SPECIFICATIONS	D-DCPS16
Output	16 channels 24V DC, 1A
trigger out	Low level(0V)or short circuit signal
Controls	Power switch and address dip setting
Indicators	POWER,CH1 ~ Ch16
Protection	AC fuse: 6A
Power Requirements	AC 220V + / − 10% 50–60Hz;24VDC
Dimensions	133(H) x 483(W) x 390(D) mm
Net Weight	9.1kg

5-CHANNEL AMPLIFIER SWITCH   D-AMS10

▶ Main/Backup Power Amplifier switch.

▶ Automatically switch to backup amplifier when amplifier failure is detected.

▶ It can manually operate for power amplifier upgrade and maintenance.

▶ Manage 10 amplifiers and backup strategy is programmable.

▶ Each channel has a volume control, manual switch, and status indicator.

REAR PANEL

SPECIFICATIONS	D-AMS10
Input	6audio source channels; 5 main amplifier channels
Output	5 speaker channels
Check Cycle	Input: 50mV 20mS; Output: 100mV 20mS
Channel Switching Cap	150V/20A, audio signal
Controls	1 power switch,1 reset button,1 alarm tone control,5 volume controls,1 address setting dip
Indicators	POWER, CH1 ~ CH5 NORMAL indicators,CH1 ~ CH5 FAULT indicators,CH1 ~ Ch5 SWITCH indicators
Protection	AC fuse: 0.5A
Power Requirements	AC 220V + / − 10% 50–60Hz;24VDC
Dimensions	89(H) x 483(W) x 350(D) mm

LIGHTNING ISOLATOR   D-LTI4

▶ Preventing device from electronic shock by isolating loudspeaker line.

▶ 4 independent channels enable up to 20A protection per loudspeaker line.

REAR PANEL

SPECIFICATIONS	D-LTI4
Input	4 CHANNELS（CH1 ~ Ch4) 70V/100V audio signal
Output	4 channels,70/100V,20A,audio signal,Active out: 0V signal
Lightning Protection	IEC529/EN60 529 protection grade satisfied: IP 20
Overload Protection	165–300V, peak
Rated Discharge Current	30kA
Leak Protection Current	10mA
Power Requirements	AC220V + / − 10% 50–60Hz;24VDC
Dimensions	89(H) x 483(W) x 350(D) mm
Net weight	7.9kg

LUCKY TONE

PRE-AMPLIFIER   D-PREM10

REAR PANEL

- ▶ Provides versatile inputs to connect with external audio sources.

- ▶ With priority settings for inputs.
- ▶ Can be worked with D–EMP3 to deliver emergency announcement.
- ▶ Individual gain control for inputs with master volume control.
- ▶ Bass and Treble adjustment.
- ▶ With 7–band Equalizer.

SPECIFICATIONS	D-PREM10
Input	MIC 1, 2, 3, 4,5: 600 ohms, 5mV, unbalanced, phone jack AUX 1, 2,3, 10k ohms,330mV, unbalanced, RCA jack Aux3:10k ohms,10v balanced EMC 1, 2: 10k ohms, 330mV, unbalanced, phone jack
Output	10k ohms, 775mV, 0 dB, unbalanced,RCA jack 1 trigger out
Frequency Response	60Hz – 16kHz (+/– 3dB)
S/N Ratio	Better than 70dB
THD	Less than 0.01% at 1kHz
Master Volume Control	32 steps, digital control
Muting Function	MIC1 has the highest priority overrides all other inputs,EMC1 and EMC2 have the second highest priority override other inputs.
Controls	8 input volume controls,2 output volume controllers （VOL+，VOL–）,1 power switch,7 band equalizer
Indicators	Power LED
Protection	AC Fuse: 0.5A
Power Consumption	10–15 watts
Power Requirements	AC 220V ± 10% 50–60Hz;24VDC
Dimensions	89(H) x 483(W) x 350(D) mm
Net Weight	5.1kg
Gross Weight	6.3kg

Power Amplifiers
D-AMP 360   D-AMP 460   D-AMP 660

- ▶ Ranging from 360W to 660W power capacity.
- ▶ Reliable and mature technology prevent device from overheat.
- ▶ Selectable output: 100V, 70V and 4–16 Ohm.
- ▶ Loudspeaker output with short circuit protection .

REAR PANEL

SPECIFICATIONS	D-AMP360	D-AMP460	D-AMP660
Rated Power Output	360W	460W	660W
Output Regulation	Less than 3 dB (no load to full load)		
Speaker Output	13.6 ohms (70V), balanced 27.8 ohms (100V), balanced Low impedance: 4–16 ohms, balanced	10.7 ohms (70V), balanced 21.7 ohms (100V), balanced Low impedance: 4–16 ohms, balanced	7.4 ohms (70V), balanced 15.1 ohms (100V), balanced Low impedance: 4–16 ohms, balanced
Input	Less than 1V, unbalanced, 10k ohms, XLR and phone jack		
Output	10k ohms,0.775V, 0dB, XLR and phone jack		
Frequency Response	60 – 15,000 Hz, +/– 3dB		
THD	Less than 0.5% at 1kHz (1/3 Rated Power)		
S/N Ratio	Better than 70dB		
Slew Rate	15V/uS		
Controls	Volume control and power switch		
Cooling	Internal 12VDC fan, extensive heat sinking		
Indicators	Power, Clip, Signal, Protect, and Temp LEDs		
Protection	AC Fuse: 10A Current limiter, short circuit and thermal protection circuits	AC Fuse: 12A	AC Fuse: 15A
Power Consumption	485W	620W	880W
Power Requirements	AC 220V ± 10% 50–60Hz	AC 220V ± 10% 50–60Hz	AC 220V ± 10% 50–60Hz
Dimensions	133(H) x 496(W) x 483(D) mm		
Net Weight	15.5kg	18.1kg	20.1kg
Gross Weight	17.1kg	19.7kg	21.7kg

High Power Amplifier
D-AMP1000 D-AMP1500

▶ Ranging from1000W to 1500W power capacity.

▶ Reliable and mature technology prevent device from overheat.

▶ Selectable output: 100V, 70V and 4–16 Ohm.

▶ Loudspeaker output with short circuit protection.

REAR PANEL

SPECIFICATIONS	D-AMP1000	D-AMP1500
Rated Power Output	1000W	1500W
Output Regulation	Less than 3 dB (no load to full load)	
Speaker Output	4.9 ohms (70V), balanced 10.0 ohms (100V), balanced Low impedance: 4–16 ohms, balanced	3.3 ohms (70V), balanced 6.7 ohms (100V), balanced Low impedance: 4–16 ohms, balanced
Input	Less than 1V, unbalanced, XLR and phone jack	
Output	775V, 0dB, XLR and phone jack	
Frequency Response	50 – 18,000 Hz, +/– 1.5dB	
THD	Less than 0.5% at 1kHz (1/3 Rated Power)	
S/N Ratio	Better than 105dB	
Slew Rate	40V/uS	
Controls	Volume control and power switch	
Cooling	Internal 12VDC fan, extensive heat sinking	
Indicators	Power, Clip, Signal, Protect, and Temp LEDs	
Protection	AC Fuse: 20A Current limiter, short circuit and thermal protection circuits	AC Fuse: 25A Current limiter, short circuit and thermal protection circuits
Power Consumption	1350W	2000W
Power Requirments	AC 220V ± 10% 50–60Hz	
Dimensions	133(H) x 486(W) x 483(D) mm	
Net Weight	25.8kg	25.8kg
Gross Weight	28.1kg	38.1kg

Admin Office
- Network Paging Console
- Sub-control Work Station

Control Room
- System Manager
- Network Paging Console

Ethernet

Offices
- IP Audio Terminal
- Indoor Cabinet Loudspeaker

Classroom
- IP Audio Terminal
- Indoor Cabinet Loudspeaker

Public Area
- System Manager Backup Unit
- Indoor Cabinet Loudspeaker
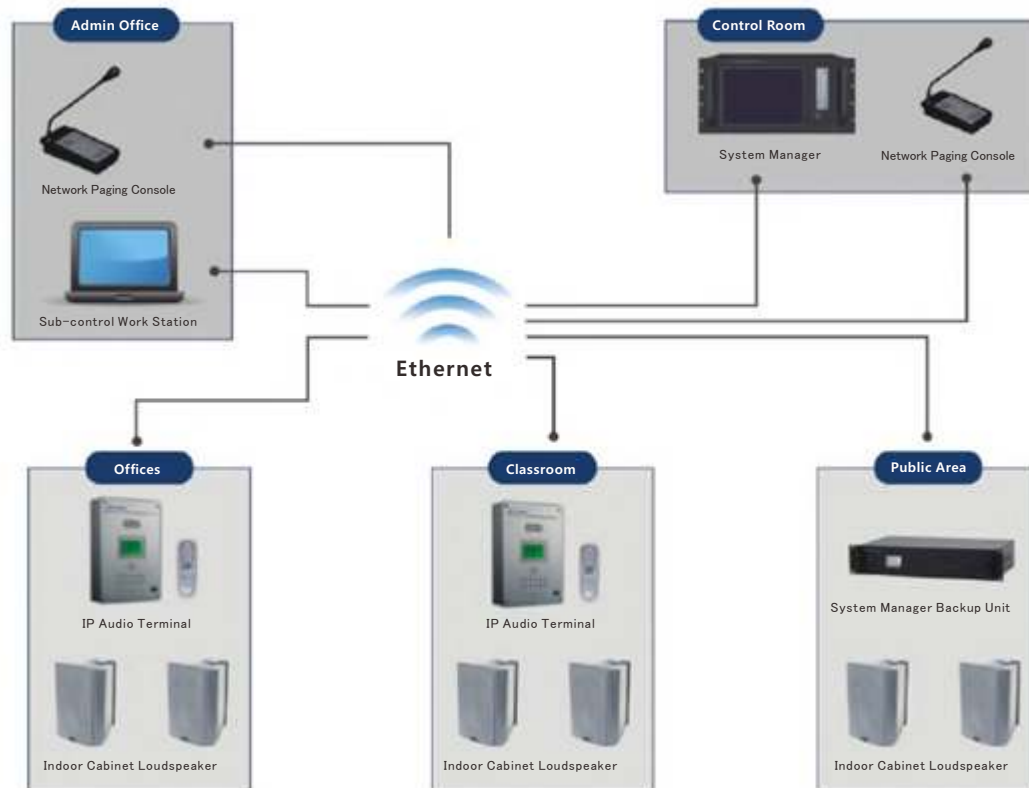
In applications such as modern school campus, prison, tunnels and factories, a flexible IP based system is required to address the needs of multiple independent sub-controls, individual broadcast of local message, frequent switching of zone assignment, time scheduled management and easy extension.

NEPA IP based PA system is adopting standard TCP/IP platform and mature VoIP technology for extension and audio streaming. It features with powerful network audio matrix support up to 60 audio routing at the same time. With a PC based management system and IP audio terminals, multicast of audio in terms of play list broadcast, time schedule broadcast, zone broadcast can be made through user friendly interface and individual broadcast within each terminal, point to point intercommunication is achievable at the same time. It is a cost effective solution dedicate to a decentralized PA system.

System Manager N-SMR

▶ A rugged design professional controller where system server and user interface installed to manage the whole system over TCP/IP network

▶ With one DVD player and external audio input streaming over IP by using 4 internal soundcard

▶ Functioned with advanced PA features including time schedule broadcast management, paging console, zone broadcast, etc. via user friendly interface

Software User Interface

▶ IP Server
▶ To show status of working of all devices
▶ Timed scheduled broadcast
▶ Real-time broadcast of external source via A/D converter
▶ Fire Alarm triggering
▶ Media storage management
▶ Access control
▶ System parameter settings

System Manager   N-SMBU

System Manager Backup Unit

▶ Embedded OS to ensure stability and reliability

▶ Rack mountable design into 2U racks with high speed ARM+DSP chips and TFT 4.3 inch scrren to control

▶ Unified management of paging console and terminals up to 1000 units

▶ Built-in 1 channel of real-time audio encoder and audio delay remains within 10ms

▶ Built in FLASH memory with SD card slot and USD port for external media storage

▶ With time scheduled broadcast functions and capable to store 5 tasks

▶ Optional with paging microphone for paging and intercom

▶ RJ45 interface routing over Ethernet

▶ Workstation Software
▶ Timed scheduled broadcast
▶ Real-time broadcast of external source via A/D converter
▶ Remote media storage management (upload & download)

Model	N-SMBU
Power Consumption	AC100-240V < 20W
Network Communication Protocol	TCP. UDP. ARP. ICMP. IGMP
Audio Encoding	MP2/MP3/PCM/ADPCM
Frequency and Sampling Rate	20 Hz-20K Hz; 8kHz-44.1kHz, 16 bit
Transmission Bit Rate	16kbps-192kbps
S/N	>90dB
Audio Delay	<100 ms
Screen	TFT 4.3" LCD 480 x 272
Audio Inputs	1 x AUX Input, 1 x Audio Output, 1 x MIC Input
Other Interfaces	2 x Dry Contact Inputs, 2 x Dry Contact Outputs, 1 x External Power Output
Operation Temperature	10 ℃ - 50℃, <80% RH
Dimension and Net Weight	485 x 398 x 88 mm; 5.6 kg
Package Size and Gross Weight	555 x 520 x 170 mm; 6.3 kg

IP network audio terminal N-RIPT

▶ Robust rack mount design (1U) and an anti-corrosion panel made of aluminum alloy; with a TFT LCD screen and a control keyboard;

▶ Built-in high speed Industrial dual-core(ARM+DSP) chips; start time ≤ 1 second;

▶ Line output to connect to the external amplifier;

▶ With the acoustic control to the external amplifier; and the maximum output of controlled power supply is 1000w

▶ 1 x short-circuit output to control 24V forced power supply

▶ Program (saved in server) on demand can be done on device(English/Chinese menu), and output from the local line output;

▶ With a built-in speaker and a microphone; available to make a full duplex talk and a broadcast to other terminals;

▶ With a standard RJ45 interface supportive of crossing network segment and router, accessible to the system if the Ethernet is available.

Model	N-RIPT
Power Consumption	AC100-240V < 10W
Network Communication Protocol	TCP. UDP. ARP. ICMP. IGMP
Audio Encoding	MP2/MP3/PCM/ADPCM
Frequency and Sampling Rate	20 Hz-20K Hz; 8kHz-44.1kHz, 16 bit
Transmission Bit Rate	8kbps-320kbps
S/N	>90dB 20Hz - 22KHz
Audio Delay	<30 ms
Screen	TFT 1.8" LCD 128 x 160
Audio Inputs	1 x AUX Input, 1 x Audio Output, 1 x MIC Input
Other Interfaces	1 x Dry Contact Inputs, 1 x Dry Contact Outputs, 1 x External Power Output
Operation Temperature	10 ℃ - 50℃, <90% RH
Dimension and Net Weight	485 x 258 x 44 mm; 3.2 kg
Package Size and Gross Weight	530 x 350 x 145 mm; 3.9 kg

IP Loudspeakers Line Expander N-RIPZ8

▶ Support up to 8 loudspeaker lines suitable for multiple zones with same audio source environment.

▶ With 8 channel intelligent contact outputs.

▶ It contains N-RIPT Network audio terminal features.

▶ With a standard RJ45 interface supportive of crossing network segment and router, accessible to the system if the Ethernet is available.

Model	N-RIPZ8
Power Consumption	AC100-240V < 10W
Network Communication Protocol	TCP. UDP. ARP. ICMP. IGMP
Audio Encoding	MP2/MP3/PCM/ADPCM
Frequency and Sampling Rate	20 Hz-20K Hz; 8kHz-44.1kHz, 16 bit
Transmission Bit Rate	8kbps-320kbps
S/N	>90dB 20Hz - 22KHz
Audio Delay	<100 ms
Screen	TFT 1.8" LCD 128 x 160
Audio Inputs	1 x AUX Input, 1 x Audio Output
Other Interfaces	8 loudspeaker line outputs, 8 x Dry Contact Inputs, 1 x Dry Contact Outputs, 1 x External Power Output
Operation Temperature	10 ℃ - 50℃, <90% RH
Dimension	485 x 258 x 44 mm

IP Telephone Interface   N-RIPTEL

▶ Allow to connect with PBX telephone switchboard and the public telephone network via the analog phone line

▶ With 1 FXO interface (standard) with options of the 4/8/16 FXO interfaces (for two or more calls)

▶ To make a random full-duplex intercom to any IP terminals through the outside line and vise versa

▶ Available for the external line input to broadcast to the IP terminals

▶ With a standard RJ45 port supportive of crossing network segment and router, accessible to the system if the Ethernet is available

Model	N-RIPTEL
Power Consumption	AC100-240V < 6W
Interfaces	1 x RJ45, 2 x RJ11
Operation Temperature	10 ℃ – 50℃, <90% RH
Dimension & Net Weight	485 x 258 x 44 mm, 2.8kg
Package Size and Gross Weight	535 x 345 x 150 mm, 3.8 kg

IP Amplifiers 60W/120W/240W/350W N-RIPAMP

▶ Rugged rack-mounted design; with high-performance of network constant voltage power amplifier; starting time ≤ 1s;

▶ Built-in Class-D amplifiers at 60W/120W/240W/350W (constant voltage of 100V) optional power handling; with less emission of the heat and higher efficiency; with the power-saving mode when no signal input;

▶ 5 x audio channels which volumes can be adjusted either respectively or unified

▶ Programmable setting of priority for the 5 input channels (The microphone input on the front panel has the highest priority default);

▶ With external audio line output to connect with the external amplifier;

▶ With a standard RJ45 interface supportive of crossing network segment and router, accessible to the system if the Ethernet is available.

Model	N-RIPAMP60	N-RIPAMP120	N-RIPAMP240	N-RIPAMP350
Rate Power	60 W	120W	240W	350W
Power Consumption	AC100-240V < 75W	AC100-240V < 150W	AC100-240V < 280W	AC100-240V < 500W
Network Communication Protocol	TCP. UDP. ARP. ICMP. IGMPMP3/PCM/ADPCM			
Audio Encoding	MP2/MP3/PCM/ADPCM			
Frequency and Sampling Rate	20 Hz–20K Hz; 8kHz–44.1kHz, 16 bit			
Transmission Bit Rate	8kbps–320kbps			
S/N	>90dB 20Hz – 22KHz			
Audio Delay	<30 ms			
Screen	TFT 1.8" LCD 144 x 32			
Audio Inputs	2 x AUX Input, 2 x Audio Output, 1 x MIC Input			
Other Interfaces	1 x Dry Contact Inputs, 1 x Dry Contact Outputs			
Operation Temperature	10 ℃ – 50℃, <90% RH			
Dimension and Net Weight	485 x 408 x 44 mm; 5.7 kg	485 x 408 x 44 mm; 10.5 kg	485 x 408 x 44 mm; 12.3 kg	485 x 408 x 132 mm; 19 kg

IP Alarm Matrix   N-RIPE

▶ With 32 alarming short circuit inputs and 8 short-circuit outputs;

▶ Multiple IP network alarm matrixes can be used to extend the range of the interfaces

▶ To automatically send the alarm signal to the server and broadcast the task programmed in advance

▶ With alarm audio files preserved in the server to save the effort to install the "Alarm Generator"

▶ With a standard RJ45 port supportive of crossing network segment and router, accessible to the system if the Ethernet is available

Model	N-RIPE
Power Consumption	AC100-240V < 10W
Other Interfaces	1 x RJ45, 32 x Dry Contact Inputs, 8 x Dry Contact Outputs
Operation Temperature	10 ℃ – 50℃, <90% RH
Dimension & Net weight	485 x 258 x 44 mm, 2.7 kg

Wall Mount IP Terminals   N-WIP20/N-WIP60

▶ Compact and a wall-mounted design to save space;

▶ Built-in high-speed dual-core(ARM+DSP) chip of industrial grade whose starting-up time is ≤1s;

▶ Class-D amplifier with power output(8 ohm) of 2x10W or 2x30W with less emission of the heat and higher efficiency;

▶ 1 x analog audio input and a local volume control knob, 1 x audio output to connect with the external amplifier;

▶ LED indication of status light, can display a variety of status of terminals in real time (such as online and offline etc.)

▶ With 1 short-circuit output and 1 short-circuit input interface.

▶ Supportive of configuration remotely and upgrading online.

▶ With a standard RJ45 interface supportive of crossing network segment and router, accessible to the system if the Ethernet is available.

Model	N-WIP20	N-WIP60
Power Outputs	20 W (8 ohm)	60W (8 ohm)
Network Communication Protocol	TCP. UDP. ARP. ICMP. IGMP	
Audio Encoding	MP2/MP3/PCM/ADPCM	
Frequency and Sampling Rate	20 Hz–20K Hz; 8kHz–44.1kHz, 16 bit	
Transmission Bit Rate	8kbps–320kbps	
S/N	>90dB 20Hz – 22KHz	
Audio Delay	<30 ms	
Audio Inputs	1 x AUX Input, 1 x Audio Output, 1 x Power Output	
Other Interfaces	1 x Dry Contact Inputs, 1 x Dry Contact Outputs	
Dimension	132 x 150 x 35 mm 0.5 kg	132 x 150 x 35 mm 0.6 kg

Wall Mount IP Terminal with 100V Transformer N-WIP60V/N-WIP120V

▶ With a network constant voltage amplifier in a ultra-thin and wall-mounted design

▶ With a high-speed dual-core(ARM+DSP) chip of industrial grade whose starting-up time is ≤1s

▶ With a built-in digital amplifier of D-class; with a power output of 60W or 120W（100 V）; with less emission of the heat and higher efficiency

▶ With an audio output to connect with the external amplifier

▶ With an audio line input, available to connect with the external microphone pickups for the monitor in the main control room

▶ With a standard RJ45 interface supportive of crossing network segment and router, accessible to the system if the Ethernet is available

Model	N-WIP60V	N-WIP120V
Power Outputs	60 W (100V)	120W (100V)
Network Communication Protocol	TCP. UDP. ARP. ICMP. IGMP	
Audio Encoding	MP2/MP3/PCM/ADPCM	
Frequency and Sampling Rate	20 Hz-20K Hz; 8kHz-44.1kHz, 16 bit	
Transmission Bit Rate	8kbps-320kbps	
S/N	>90dB 20Hz - 22KHz	
Audio Delay	<30 ms	
Audio Inputs	1 x AUX Input, 1 x Audio Output, 1 x Power Output	
Other Interfaces	1 x Dry Contact Inputs, 1 x Dry Contact Outputs	
Dimension	337 x 255 x 50 mm 4.3 kg	132 x 150 x 35 mm 5.1 kg

IP Remote Control Panel　N-WIPRC

▶ To broadcast on site; with a 4.3 inch colored LCD screen and a wall-mounted installation, start time ≤1s

▶ With 8 audio inputs (6 for microphone & 2 for lines) and 1 audio output

▶ To remotely broadcast to other IP terminals through network

▶ (To the zone or all zones); and the volume can be adjusted

▶ To display any programs in the server or in the SD card; with functions to pause, forward and backward

▶ With one-touch broadcasting function (with 8 programmable buttons to preset the program source and target partitions) and a wireless remote controller (Its digit keys are available for the one-touch broadcast and the control distance of 300 meters)

▶ With a standard RJ45 interface supportive of crossing network segment and router, accessible to the system if the Ethernet is available

Model	N-WIPRC
Network Communication Protocol	TCP. UDP. ARP. ICMP. IGMP
Audio Encoding	MP2/MP3/PCM/ADPCM
Frequency and Sampling Rate	20 Hz-20K Hz; 8kHz-44.1kHz, 16 bit
Transmission Bit Rate	8kbps-320kbps
S/N	>90dB 20Hz - 22KHz
Audio Delay	<100 ms
Screen	TFT 4.3" LCD 480 x 272
Audio Inputs	2 x AUX Input, 1 x Audio Output, 6 x MIC Inputs, 1 x SD Card Slot
Dimension	315 x 200 x 44 mm 2.8 kg

IP Call Station   N-DIPCS

▶ Professional IP Call Station with TFT screen, 20 programmable control buttons and LED indicators

▶ Has high quality goose neck microphone for paging and access control

▶ Built−in loudspeaker to support intercommunication and audio monitoring

▶ With a standard RJ45 interface supportive of crossing network segment and router, accessible to the system if the Ethernet is available

Model	N-DIPCS
Network Communication Protocol	TCP. UDP. ARP. ICMP. IGMP
Audio Encoding	MP2/MP3/PCM/ADPCM
Frequency and Sampling Rate	20 Hz−20K Hz; 8kHz−44.1kHz, 16 bit
Transmission Bit Rate	8kbps−320kbps
S/N	>90dB 20Hz − 22KHz
Audio Delay	<100 ms
Screen	TFT 1.8" LCD 128 x 160
Audio Inputs	2 x AUX Input, 1 x Audio Output
Dimension	243 x 120 x 50 mm

IP Column Loudspeakers   N-IPC40

▶ Wall mountable column loudspeaker integrated with network audio decoding, digital amplifier and speaker

▶ Empowered by high−speed dual−core (ARM + DSP) chip of industrial grade

▶ Built−in hi−fi linear array speakers and stereo power

▶ amplifiers of Class−D.

▶ With a built−in loop detector to remotely monitor the working conditions of the speaker; easy to maintenance;

▶ To remotely adjust the volume of the output on the server.

▶ With a standard RJ45 interface supportive of crossing network segment and router, accessible to the system if the Ethernet is available.

Model	N-IPC40
Rated Power	40W
Power Supply	DC30V
Network Communication Protocol	TCP. UDP. ARP. ICMP. IGMP
Audio Encoding	MP2/MP3/PCM/ADPCM
Sampling Rate	8kHz−44.1kHz, 16 bit
S/N	>90dB 190Hz − 18KHz
Audio Delay	<100 ms
Dimension	500 x 82 x 86 mm

IP Cabinet Loudspeaker   N-IPW10

▶ Wall mountable cabinet loudspeaker integrated with network audio decoding, digital amplifier and speaker

▶ Empowered by high-speed dual-core (ARM + DSP) chip of industrial grade

▶ Built-in hi-fi linear array speakers and stereo power amplifiers of Class-D

▶ With a built-in loop detector to remotely monitor the working conditions of the speaker; easy to maintenance

▶ To remotely adjust the volume of the output on the server

▶ With a standard RJ45 interface supportive of crossing network segment and router, accessible to the system if the Ethernet is available

▶ Options for constant voltage backup module (model suffix: -CP)

Model	N-IPW10
Rated Power	2 x 10W
Power Supply	DC24V
Network Communication Protocol	TCP. UDP. ARP. ICMP. IGMP
Audio Encoding	MP2/MP3/PCM/ADPCM
Sampling Rate	8kHz-44.1kHz, 16 bit
S/N	>90dB 190Hz - 18KHz
Audio Delay	<100 ms
Dimension	248 x 156 x 146 mm

IP Ceiling Loudspeaker   N-IPC15

▶ Ceiling mount loudspeaker integrated with network audio decoding, digital amplifier and speaker

▶ Empowered by high-speed dual-core (ARM + DSP) chip of industrial grade

▶ Built-in hi-fi linear array speakers and stereo power amplifiers of Class-D.

▶ With a built-in loop detector to remotely monitor the working conditions of the speaker; easy to maintenance;

▶ To remotely adjust the volume of the output on the server.

▶ With a standard RJ45 interface supportive of crossing network segment and router, accessible to the system if the Ethernet is available.

Model	N-IPC15
Rated Power	15W
Power Supply	DC24V
Network Communication Protocol	TCP. UDP. ARP. ICMP. IGMP
Audio Encoding	MP2/MP3/PCM/ADPCM
Sampling Rate	8kHz-44.1kHz, 16 bit
S/N	>90dB 190Hz - 18KHz
Audio Delay	<100 ms
Dimension	200 x 200 x 140 mm

IP Cabinet Loudspeaker Outdoor N-IPW40A

▶ Wall mountable cabinet loudspeaker integrated with network audio decoding, digital amplifier and speaker

▶ Empowered by high-speed dual-core (ARM + DSP) chip of industrial grade

▶ Built-in hi- filinear array speakers and stereo power amplifiers of Class-D

▶ With a built-in loop detector to remotely monitor the working conditions of the speaker; easy to maintenance

▶ To remotely adjust the volume of the output on the server

▶ With a standard RJ45 interface supportive of crossing network segment and router, accessible to the system if the Ethernet is available

IPX5 for outdoor

Model	N-IPW40A
Rated Power	40W
Power Supply	DC24V
Network Communication Protocol	TCP. UDP. ARP. ICMP. IGMP
Audio Encoding	MP2/MP3/PCM/ADPCM
Sampling Rate	8kHz-44.1kHz, 16 bit
S/N	>90dB 190Hz - 18KHz
Audio Delay	<30 ms
Dimension	292 x 193 x 151 mm

LUCKY TONE

This wireless PA system is based on RDS (Radio Data System) modulation technology. It uses FM frequency from 76–108Mhz and RDS digital encoding system to ensure no interfere for the system. The main unit can control up to 32 group of terminals and each group can have up to 10 receivers or addressable speakers. That means, up to 320pcs of addressable speakers can be controlled by one main unit.

The system has a wide application such as village, factories, parks, remote areas and more.

Wireless PA Transmitter Unit   W-M32

▶ Manage up to 32 group and up to 320pcs of RDS Terminals

▶ Transmit signal up to 5KMs.

▶ Built–in Mp3 player to plug in USB or SD card

▶ Timing programs to turn the terminals on/off

▶ 2 Aux and 2 microphone inputs

▶ Change the terminals volume and receiver frequency

SPECIFICATIONS	W-M32
Frequency	76–108Mhz, 0.05Mhz step
Frequency Stability	$1*10-6$
Radiation power	–60dB
SN ratio	Bigger than 70dB
T.H.D.	0.03%
Power Requirements	AC 230V + / – 10% 50–60Hz
Dimensions	89(H) x 483(W) x 390(D) mm
Transmit power	Up to 300W

Wireless Receiver with Amplifier   W-R100

Features:

▶ Water proof terminal

▶ With reliable RDS digital encoder to ensure flawless operation at any time

▶ With Aux audio output to external power amplifier

SPECIFICATIONS	W-R100
Frequency	76–108Mhz, 0.05Mhz step
Address range	1–512
Output Power	100W
Output Impedance	8 ohm
Power Requirements	AC 230V + / – 10% 50–60Hz
Dimensions	290(H) x 215(W) x 70(D) mm

Active Wireless Speaker   W-RS40

Features:

▶ Water proof aluminum housing for outdoor application

▶ With reliable RDS digital encoder to ensure flawless operation at any time

▶ Fast setup and installation

SPECIFICATIONS	W-RS40
Frequency	76–108Mhz, 0.05Mhz step
Address range	1–512
Output Power	40W
Volume control	Built–in
Power Requirements	AC 230V + / – 10% 50–60Hz
Dimensions	500(H) x 165(W) x 140(D) mm

LUCKY TONE

Active Wireless Speaker   W-RS20

Features:

▶ Water proof fiber glass housing for outdoor application
▶ With reliable RDS digital encoder to ensure flawless operation at any time
▶ Fast setup and installation

SPECIFICATIONS	W-RS20
Frequency	76–108Mhz, 0.05Mhz step
Address range	1–512
Output Power	20W
Volume control	Built–in
Power Requirements	AC 230V + / − 10% 50–60Hz

Features:

▶ Wooden structure with high quality sound for indoor use
▶ With reliable RDS digital encoder to ensure flawless operation at any time
▶ Fast and easy installation

SPECIFICATIONS	W-RD 20
Frequency	76–108Mhz, 0.05Mhz step
Address range	1–512
Output Power	20W
Output Impedance	8 ohm
Power Requirements	AC 230V + / − 10% 50–60Hz
Dimensions	260(H) x 210(W) x 98(D) mm

Active Wireless Speaker   W-RD20

Accessories for wireless PA System

W-LR Lightning Arrester

Linkage between W–M32 wireless transmitter and W–ATT to prevent lightning damage to the system

W-CL 50 ohm cable

Linkage between W–M32 wireless transmitter and W–ATT for signal transmitting

W-ATT1 Standard Antenna

Used to send FM modulated signal at 100W to the receivers

W-ATT2 enhanced Antenna

Used to send FM modulated signal at 150W to the receivers

System Diagram

Wireless speaker

modulated signal

Wireless speaker

W-ATT2   enhanced Antenna

Wireless speaker

Microphone MI-102

Wireless PA Transmitter Unit   W-M32

DVD Player with USB   AS-DVD

LUCKY TONE

▶ Fast installation range of speaker

▶ Full range yet high quality music and speech reproduction

MODEL	CP-506	CP-606	CP-810
Power at 100V	3/6W	3/6W	5/10W
Power at 70V	1.5/3W	1.5/3W	2.5/5W
SPL(1W/1M)	92dB	92dB	92dB
Max SPL@ 1M	99dB	99dB	101 dB
Freq. Response	100Hz–16KHz	100Hz–18KHz	100Hz–18KHz
Cutout Size	Dia 150mm	Dia 170mm	Dia 210mm
Product Size	Dia175x60mm(H)	Dia 185x75mm(H)	Dia 230x90mm(H)
Installation	Inceiling	Inceiling	Inceiling
Enclosure Material	ABS	ABS	ABS
Weight	0.5Kg	0.7Kg	1Kg
Finish	White	White	White
Speakers	5"x1 full range	6"x1 full range	8"x1 full range

H means with fire dome

▶ High Performance 2 way speaker

▶ With heavy duty fire dome and power selection switch

▶ Good for high music demand applications.

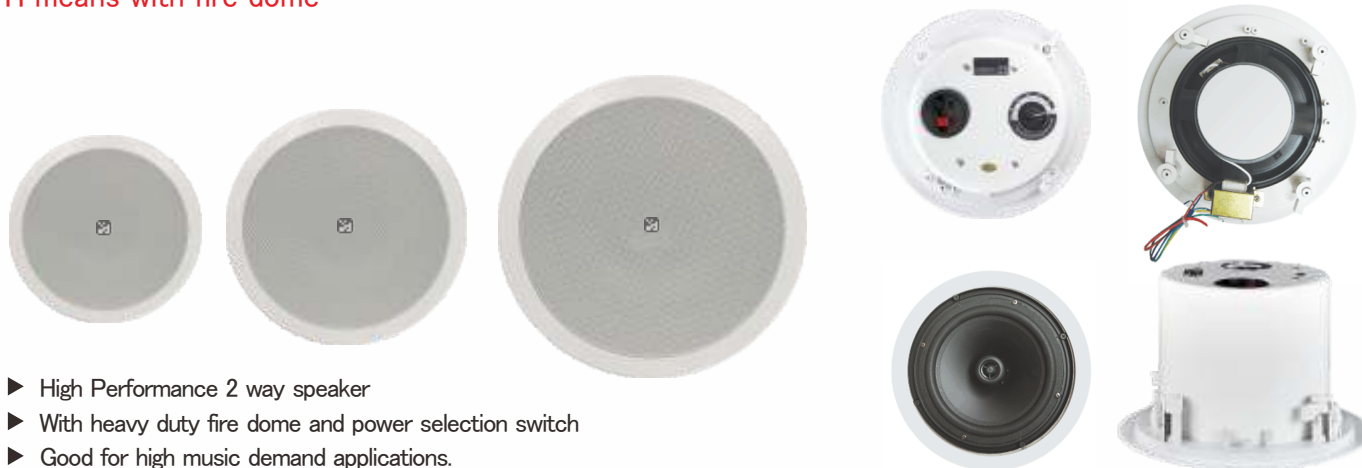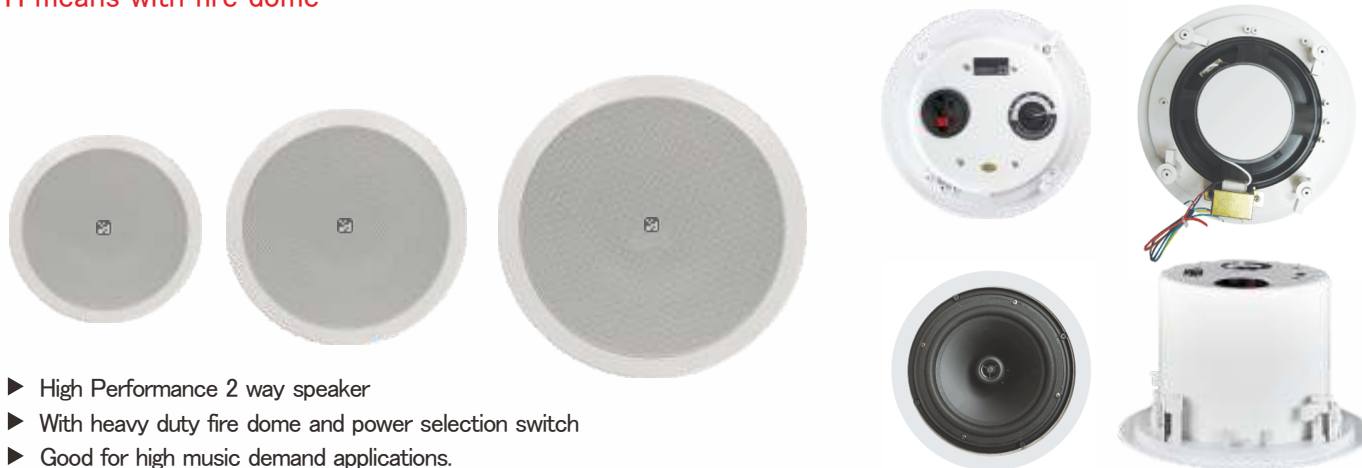| MODEL	CP-521T;CP-521TH	CP-621T;CP-621TH	CP-821T;CP-821TH
Power at 100V	20W;20W/10W/5W/8 ohm	30W;30W/15W/7.5W/8 ohm	40W;40W/20W/10W/8 ohm
Power at 70V	10W; 10W/5W/2.5W/8 ohm	15W: 15W/7.5W/3.8W/8 ohm	20W: 20W/20W/5W/8 ohm
SPL(1W/1M)	88dB	88dB	88dB
Max SPL@ 1M	101dB	102dB	103dB
Freq. Response	100Hz–20KHz	90Hz–20KHz	50Hz–20KHz
Cutout Size	Dia 170mm	Dia 200mm	Dia 240mm
Product Size	Dia203x80mm(H);x145mm(H)	Dia230x90mm(H);x150mm(H)	Dia270x105mm(H);x185mm(H)
Installation	Inceiling	Inceiling	Inceiling
Enclosure Material	ABS	ABS	ABS
Weight	1.25; 1.7Kg	1.6; 2.2Kg	2.1; 3.1Kg
Finish	White	White	White
Speakers	1" x1 (TREBLE) 5.25"x1(BASS)	1" x1 (TREBLE) 6"x1(BASS)	1" x1 (TREBLE) 8"x1(BASS)

▶ Fast installation range of speaker
▶ Full range yet high quality music and speech reproduction

MODEL	CP-506	CP-606	CP-810
Power at 100V	3/6W	3/6W	5/10W
Power at 70V	1.5/3W	1.5/3W	2.5/5W
SPL(1W/1M)	92dB	92dB	92dB
Max SPL@ 1M	99dB	99dB	101 dB
Freq. Response	100Hz−16KHz	100Hz−18KHz	100Hz−18KHz
Cutout Size	Dia 150mm	Dia 170mm	Dia 210mm
Product Size	Dia175x60mm(H)	Dia 185x75mm(H)	Dia 230x90mm(H)
Installation	Inceiling	Inceiling	Inceiling
Enclosure Material	ABS	ABS	ABS
Weight	0.5Kg	0.7Kg	1Kg
Finish	White	White	White
Speakers	5″x1 full range	6″x1 full range	8″x1 full range

H means with fire dome

▶ High Performance 2 way speaker
▶ With heavy duty fire dome and power selection switch
▶ Good for high music demand applications.

MODEL	CP-511	CP-621T;CP-621TH	CP-821T;CP-821TH
Power at 100V	10w at 8 ohm	30W;30W/15W/7.5W/8 ohm	40W;40W/20W/10W/8 ohm
Power at 70V	NA	15W: 15W/7.5W/3.8W/8 ohm	20W: 20W/20W/5W/8 ohm
SPL(1W/1M)	88dB	88dB	88dB
Max SPL@ 1M	101dB	102dB	103dB
Freq. Response	100Hz−20KHz	90Hz−20KHz	50Hz−20KHz
Cutout Size	Dia 170mm	Dia 200mm	Dia 240mm
Product Size	Dia203x80mm(H);x145mm(H)	Dia230x90mm(H);x150mm(H)	Dia270x105mm(H);x185mm(H)
Installation	Inceiling	Inceiling	Inceiling
Enclosure Material	ABS	ABS	ABS
Weight	1.25; 1.7Kg	1.6; 2.2Kg	2.1; 3.1Kg
Finish	White	White	White
Speakers	1″ x1 (TREBLE) 5.25″x1(BASS)	1″ x1 (TREBLE) 6″x1(BASS)	1″ x1 (TREBLE) 8″x1(BASS)

T means with Tweeter
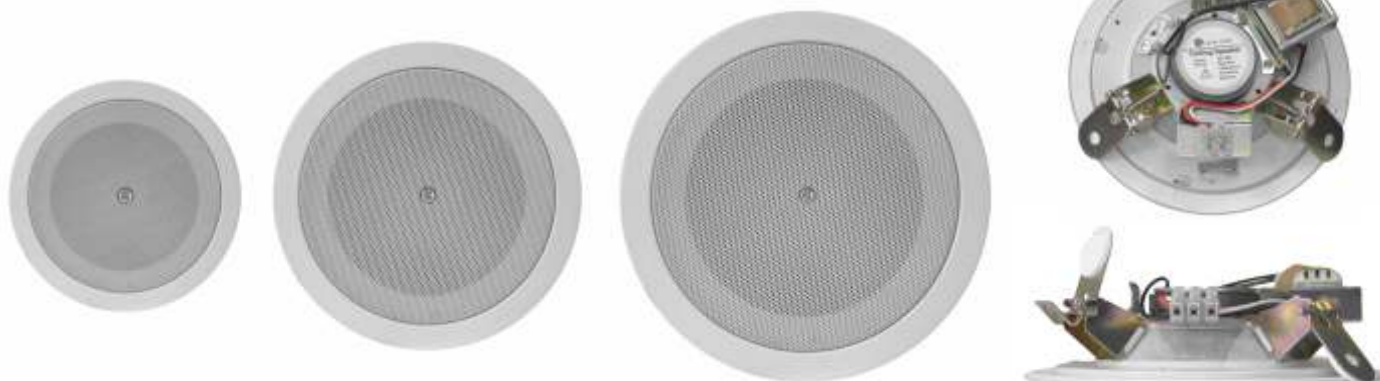
MODEL	CM-406T	CM-506T	CM-610T
Power at 100V	1.5/3/6W	1.5/3/6W	2.5/5/10W
Power at 70V	0.75/1.5/3W	0.75/1.5/3W	1.25/2.5/5W
SPL(1W/1M)	92dB	92dB	92dB
Max SPL@ 1M	99dB	99dB	101 dB
Freq. Response	130Hz–16KHz	100Hz–18KHz	100Hz–18KHz
Cutout Size	Dia 155mm	Dia 170mm	Dia 220mm
Product Size	Dia180x50mm(H)	Dia 200x67mm(H)	Dia 245x75mm(H)
Installation	Inceiling	Inceiling	Inceiling
Enclosure Material	Metal	Metal	Metal
Weight	0.7Kg	0.75Kg	1Kg
Finish	White	White	White
Speakers	1″ x1 (TREBLE) 4″x1(BASS)	1″ x1 (TREBLE) 5″x1(BASS)	1″ x1 (TREBLE) 6″x1(BASS)

MODEL	CM-406	CM-506
Power at 100V	1.5/3/6W	1.5/3/6W
Power at 70V	0.75/1.5/3W	0.75/1.5/3W
SPL(1W/1M)	91dB	91dB
Max SPL@ 1M	98dB	98dB
Freq. Response	130Hz–16KHz	100Hz–18KHz
Cutout Size	Dia 155mm	Dia 170mm
Product Size	Dia180x50mm(H)	Dia 200x67mm(H)
Installation	Inceiling	Inceiling
Enclosure Material	Metal	Metal
Weight	0.7Kg	0.75Kg
Finish	White	White
Speakers	4″x1 full range	5″x1 full range

LUCKY TONE

LT-10.1 10" Ceiling subwoofer

▶ High power excursion ceiling subwoofer at 240W with overload protection

▶ Built–in transformer for 100V line, 70V line or 4 ohm input with multi tapping selector in the front

▶ Heavy steel metal enclosure fire dome

▶ Designed for easy installation and maintenance

▶ Great supplement for sub bass for ceiling sound system and others.

Discriptions:

This subwoofer ceiling speaker equipped with 100V line transformer and can handle up to 240W of RMS power as well as for low impedance at 4 ohm, and it handles low frequency at 35Hz, which is truely suitable for sub bass applications.

Model	LT-10.1
Power at 100V	240/120/60W, 240W@ 4 ohm
Power at 70V	120/60/30W, 240W@ 4 ohm
SPL(1W/1M)	89dB
Max SPL@ 1M	112dB
Freq. Response	35–150Khz
Cutout Size	Dia 330 mm
Product Size	Dia 360∗ 330mm
Installation	In ceiling
Enclosure Material	ABS front and metal dome
Weight	9 kg
Finish	White front with black dome
Speakers	10 inch

LT-10.2 10" Wide Frequency Ceiling Speaker

▶ High power excursion ceiling speaker at 240W with overload protection

▶ Built–in transformer for 100V line, 70V line or 8 ohm input with multi tapping selector in the front

▶ Heavy steel metal enclosure fire dome

▶ Designed for easy installation and maintenance

▶ With super wide frequency from 45Hz to 20Khz good for speech and music reproduction.

Discriptions:

This extra wide frequency ceiling speaker equipped with 100V line transformer and can handle up to 240W of RMS power for low impedance at 8 ohm, and it handles a very wider frequency from 45Hz to 20Khz, which is truely good for both speech and music applications

Model	LT-10.2
Power at 100V	120/60/30W, 240W@ 8 ohm
Power at 70V	60/30/15W, 240W@ 8 ohm
SPL(1W/1M)	92dB
Max SPL@ 1M	112dB
Freq. Response	45–20Khz
Cutout Size	Dia 330 mm
Product Size	Dia 360∗ 330mm
Installation	In ceiling
Enclosure Material	ABS front and metal dome
Weight	9 kg
Finish	White front with black dome
Speakers	10 inch bass with dual tweeter

CP-206

▶ ABS Ceiling speaker
▶ Mini size yet powerful sound
▶ With 6W transformer
▶ Good for PA and BGM

CP-302

▶ ABS Ceiling speaker
▶ For moisture proof
▶ With 2W transformer
▶ Good for PA and BGM

IP 44 for moisture application

CP-506C

▶ ABS Ceiling speaker
▶ Mini size yet powerful sound
▶ With 6W transformer
▶ Good for PA and BGM

CP-506CH

▶ ABS Ceiling speaker
▶ Mini size yet powerful sound
▶ With 6W transformer
▶ Good for PA and BGM

MODEL	CP-206	CP-302	CP-506C	CP-506CH
Power at 100V	3/6W	1/2W	6W	6W
Power at 70V	1.5/3W	0.5/1W	3W	3W
SPL(1W/1M)	91dB	90dB	91dB	91dB
Max SPL@ 1M	98dB	93dB	98dB	98dB
Freq. Response	130Hz~16KHz	100Hz~16KHz	100Hz~16KHz	100Hz~16KHz
Cutout Size	Dia 95mm	Dia 85 mm	Dia 131mm	Dia 131mm
Product Size	Dia 103mm	Dia 97 mm	Dia 172mm	Dia 172mm
Installation	In celing	In ceiling	Inceiling	Inceiling
Enclosure Material	ABS	ABS	ABS	ABS
Weight	0.4Kg	0.48Kg	0.44Kg	0.51Kg
Finish	White	White	White	White
Speakers	2.5 ″ x1 full range	3″ x1 full range	5″x1 full range	5″x1 full range

CP-620T

▶ Crossover to produce clear yet powerful sound
▶ Good for high demand audio environment

CP-610F

▶ Ceiling mounted speaker
▶ Suitable for the application without false ceiling
▶ With 10W transformer

CP-420

▶ ABS Ceiling speaker
▶ Water and corrosion poof for outdoor and marine
▶ IP 44 Rating

CP-525

▶ ABS Ceiling speaker
▶ Water and corrosion proof for outdoor and marine
▶ IP 44 rating

MODEL	CP-620T	CP-610F	CP-420	CP-525
Power at 100V	20W	10W	20W at 8ohm	25W
Power at 70V	10W	5W	NA	NA
SPL(1W/1M)	96dB	92dB	88dB	90dB
Max SPL@ 1M	109dB	101dB	101dB	103dB
Freq. Response	80Hz~20KHz	80Hz~18KHz	155Hz~20KHz	100Hz~20KHz
Cutout Size	Dia 200mm	N/A	Dia 105mm	Dia 122mm
Product Size	Dia 230mm	Dia 265mm	Dia 141mm	Dia 165mm
Installation	In celing	Ceiling surface mount	Inceiling	Inceiling
Enclosure Material	ABS	ABS	ABS	ABS
Weight	2.2Kg	1Kg	0.5Kg	0.7Kg
Finish	White	White	White	White
Speakers	1″ x1 (TREBLE) 6″x1(BASS)	5″ x1 full range	1″ x1 (TREBLE) 4″x1(BASS)	1″ x1 (TREBLE) 5″x1(BASS)

LoudSpeakers

CM-606

- ▶ Metal Ceiling speaker
- ▶ Versatile for various PA and BGM applications
- ▶ With 6W transformer

CM-606H

- ▶ Metal Ceiling speaker
- ▶ Versatile for various PA and BGM applications
- ▶ With heavy duty fire dome

OD-515P

- ▶ Outdoor fiber glass garden speaker with high IP rating
- ▶ Present sound produced

IP 66

OD-660P

- ▶ Outdoor high power speaker
- ▶ Radial design enable 360 degree sound dispersion
- ▶ Low frequency delivering depth sound

IP 66

MODEL	CM-606	CM-606H
Power at 100V	1.5/3/6W	1.3/3/6W
Power at 70V	0.75/1.5/3W	0.75/1.5/3W
SPL(1W/1M)	91dB	91dB
Max SPL@ 1M	98dB	98dB
Freq. Response	100Hz–18KHz	100Hz–18KHz
Cutout Size	Dia 175mm	Dia 175mm
Product Size	Dia200	Dia 200x90mm(H)
Installation	Inceiling	Inceiling
Enclosure Material	Metal	Metal
Weight	0.7Kg	0.95Kg
Finish	White	White
Speakers	6″x1 full range	6″x1 full range

MODEL	OD-515P	OD-660P
Power at 100V	15W	60W
Power at 70V	7.5W	30W
SPL(1W/1M)	92dB	92dB
Max SPL@ 1M	104dB	108dB
Freq. Response	130Hz–16KHz	100Hz–16KHz
Cutout Size	360 degree	360 degree
Product Size	Dia 213x235mm	Dia 380x370mm
Installation	Ground fix	Ground fix
Enclosure Material	Fiber glass	Fiber Glass
Weight	1.2Kg	5.4Kg
Finish	Green	Grey
Speakers	5.2″ x1 full range	6.5″ x1 full range

HG-510P

- ▶ Pendant speaker for the application without a false ceiling
- ▶ Stylish and powerful
- ▶ With 10W transformer

HG-820P

- ▶ Spherical loudspeaker
- ▶ Omnidirectional speaker cover 360 degree angel
- ▶ With 20W transformer

HG-630P

- ▶ Fashion design
- ▶ Wide dispersion angle loud speaker to cover large area
- ▶ With 30W transformer

HE-30T

- ▶ Explosive proof horn
- ▶ Design for hazard environment, like mining, nuclear plant etc.

IP 65   Explosive Proof

MODEL	HG-510P	HG-820P	HG-630P
Power at 100V	2.5/5/10W	5/10/20W	7.5/15/30W
Power at 70V	1.25/2.5/5W	2.5/5/10W	3.9/7.5/15W
SPL(1W/1M)	92dB	92dB	90dB
Max SPL@ 1M	102dB	105dB	105dB
Freq. Response	150Hz–15KHz	100Hz–18KHz	100Hz–18KHz
Dispersion Angel	180x90 degree	160x360 degree	180x360 degree
Product Size	Dia 180mm	Dia 255mm	Dia 378mm
Installation	Hang	Hang	Hang
Enclosure Material	ABS	ABS	ABS
Weight	1.4Kg	2.2Kg	2.8Kg
Finish	White	White	White
Speakers	5″ x1 full range	8″ x1 full range	6″ two way speaker

MODEL	HE-30T
Power at 100V	5/10/15/30W; 30W@ 8 ohm
Power at 70V	2.5/5/7.5/15W; 30W@ 8 ohm
SPL(1W/1M)	110dB
Max SPL@ 1M	124dB
Freq. Response	300Hz–9KHz
Dispersion Angel	
Product Size	Dia 236x290 mm
Installation	Bracket
Enclosure Material	Plastic
Weight	3.1Kg
Finish	Red
Speakers	NA

LUCKY TONE

H-150D
▶ Low impedance Horn Driver
▶ Water proof with stainless steel screw for outdoor use
▶ Good for Mosque

IP 65

H-100D
▶ Low impedance Horn Driver
▶ Water proof with stainless steel screw for outdoor use
▶ Good for Mosque

IP 65

H-100DT
▶ Intelligible Horn Driver
▶ Water proof with stainless steel screw for outdoor use
▶ With 100W transformer

IP 65

H-60DT
▶ High efficient Neodymium magnet
▶ Water proof with stainless steel screw for outdoor use
▶ With 60W transformer

IP 65

MODEL	H-150D	H-100D	H-100DT	H-60DT
Power at 100V	150W@ 16 ohm	100W@ 16 ohm	60/80/100W; 100W@ 16 ohm	20/40/60W; 60W@ 16 ohm
Power at 70V	NA	NA	30/40/50W; 100W@ 16 ohm	10/20/30W; 60W@ 16 ohm
SPL(1W/1M)	115dB	115dB	113dB	115dB
Max SPL@ 1M	134dB	132dB	132dB	132dB
Freq. Response	160Hz–8KHz	160Hz–8KHz	160Hz–7KHz	150Hz–7KHz
Product Size	Dia 124x110 mm	Dia 124x110 mm	Dia 163x174 mm	Dia 110x154 mm
Installation	Fix to Horn	Fix to Horn	Fix to Horn	Fix to Horn
Enclosure Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight	2.2Kg	2.2Kg	2.6Kg	2.2Kg
Finish	Grey	Grey	Grey	Grey

H-30DT
▶ Low impedance Horn Driver
▶ Water proof with stainless steel screw for outdoor use
▶ Good for Mosque

IP 65

HN-50T
▶ Wide range Horn
▶ Water proof for any outdoor applications
▶ Good for Mosque

IP 65

HI series
▶ Horn Housing
▶ Work with 13/8–18 TPI thread driver for various applications
▶ Available in 20 inch, 22 inch and 24 inch

IP 65

H-400
▶ High power 4 drivers speaker
▶ Normally use for high demand requirement, like army, ship
▶ High sensitivity

IP 65

MODEL	H-30DT	HN-50T	HI-20, 22, 24	H-400
Power at 100V	10/15/30W; 30W@ 16 ohm	7.5/15/30/50W; 50W@ 16 ohm	NA	400W@ 16 ohm
Power at 70V	5/7.5/15W; 15W@ 16 ohm	3.8/7.5/12.5/25W; 50W@ 16 ohm	NA	NA
SPL(1W/1M)	110dB	110dB	NA	117dB
Max SPL@ 1M	124dB	13dB	NA	142dB
Freq. Response	300Hz–5KHz	160Hz–8KHz	NA	150Hz–7KHz
Product Size	Dia 108x132 mm	Dia 500x470 mm	Dia 20, 22 and 24 inch	Dia 494x522 mm
Installation	Fix to Horn	Bracket	Bracket	Bracket
Enclosure Material	Plastic	Aluminum	Aluminum	Aluminum
Weight	2.1Kg	3.65Kg	NA	8Kg
Finish	Grey	Grey	Light Grey	Grey

H-150D

▶ Low impedance Horn Driver
▶ Water proof with stainless steel screw for outdoor use
▶ Good for Mosque

IP 65

H-100D

▶ Low impedance Horn Driver
▶ Water proof with stainless steel screw for outdoor use
▶ Good for Mosque

IP 65

H-100DT

▶ Intelligible Horn Driver
▶ Water proof with stainless steel screw for outdoor use
▶ With 100W transformer

IP 65

H-60DT

▶ High efficient Neodymium magnet
▶ Water proof with stainless steel screw for outdoor use
▶ With 60W transformer

IP 65

MODEL	H-150D	H-100D	H-100DT	H-60DT
Power at 100V	150W@ 16 ohm	100W@ 16 ohm	60/80/100W; 100W@ 16 ohm	20/40/60W; 60W@ 16 ohm
Power at 70V	NA	NA	30/40/50W; 100W@ 16 ohm	10/20/30W; 60W@ 16 ohm
SPL(1W/1M)	115dB	115dB	113dB	115dB
Max SPL@ 1M	134dB	132dB	132dB	132dB
Freq. Response	160Hz–8KHz	160Hz–8KHz	160Hz–7KHz	150Hz–7KHz
Product Size	Dia 124x110 mm	Dia 124x110 mm	Dia 163x174 mm	Dia 110x154 mm
Installation	Fix to Horn	Fix to Horn	Fix to Horn	Fix to Horn
Enclosure Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight	2.2Kg	2.2Kg	2.6Kg	2.2Kg
Finish	Grey	Grey	Grey	Grey

H-30DT

▶ Low impedance Horn Driver
▶ Water proof with stainless steel screw for outdoor use
▶ Good for Mosque

IP 65

HN-50T

▶ Wide range Horn
▶ Water proof for any outdoor applications
▶ Good for Mosque

IP 65

HI series

▶ Horn Housing
▶ Work with 13/8–18 TPI thread driver for various applications
▶ Available in 20 inch, 22 inch and 24 inch

IP 65

H-400

▶ High power 4 drivers speaker
▶ Normally use for high demand requirement, like army, ship
▶ High sensivitity

IP 65

MODEL	H-30DT	HN-50T	HI-20, 22, 24	H-400
Power at 100V	10/15/30W; 30W@ 16 ohm	7.5/15/30/50W; 50W@ 16 ohm	NA	400W@ 16 ohm
Power at 70V	5/7.5/15W; 15W@ 16 ohm	3.8/7.5/12.5/25W; 50W@ 16 ohm	NA	NA
SPL(1W/1M)	110dB	110dB	NA	117dB
Max SPL@ 1M	124dB	13dB	NA	142dB
Freq. Response	300Hz–5KHz	160Hz–8KHz	NA	150Hz–7KHz
Product Size	Dia 108x132 mm	Dia 500x470 mm	Dia 20, 22 and 24 inch	Dia 494x522 mm
Installation	Fix to Horn	Bracket	Bracket	Bracket
Enclosure Material	Plastic	Aluminum	Aluminum	Aluminum
Weight	2.1Kg	3.65Kg	NA	8Kg
Finish	Grey	Grey	Light Grey	Grey

Outdoor Directional Speakers and Horns

PJ-510M

▶ Weather proof projector
▶ Steady aluminum enclosure
▶ With 10W transformer

IP 55

PJ-620M

▶ Weather proof projector
▶ Steady aluminum enclosure
▶ With 20W transformer

IP 55

PJ-620B

▶ Weather proof projector
▶ Steady aluminum enclosure
▶ With 20W transformer
▶ Bi Direction

IP 55 and bi directional

PJ-510P

▶ ABS projector
▶ Mini size yet powerful sound
▶ With 10W transformer
▶ Good for PA and BGM

IP 55

MODEL	PJ-510M	PJ-620M	PJ-620B	PJ-510P
Power at 100V	2.5/5/10W	5/10/20W	5/10/20W	2.5/5/10W
Power at 70V	1.25/2.5/5W	2.5/5/10W	2.5/5/10W	1.25/2.5/5W
SPL(1W/1M)	91dB	92dB	92dB	91dB
Max SPL@ 1M	100dB	103dB	103dB	100dB
Freq. Response	130Hz–15KHz	110Hz–15KHz	110Hz–15KHz	130Hz–15KHz
Dispersion Angel	100 degree	120 degree	320 degree	100 degree
Product Size	Dia138x205mm	Dia 170x252mm	Dia 170x252mm	Dia 135x 205mm
Installation	Wall or ceiling	Wall or ceiling	Wall or corridor	Wall or ceiling
Enclosure Material	Aluminum	Aluminum	Aluminum	ABS
Weight	2.2Kg	2.8Kg	3.4Kg	1.5Kg
Finish	White	White	White	White
Speakers	5″ x1 full range	6.5″ x1 full range	6.5″ x2 full range	5″ x 1 full range

HN-10P

▶ Water proof horn for outdoor
▶ High IP rating
▶ With 10W transformer

IP 67

HN-15P

▶ Water proof horn for outdoor
▶ High IP rating
▶ With 15W transformer

IP 67

HN-30P

▶ Water proof horn for outdoor
▶ High IP rating
▶ With 30W transformer

IP 67

HN-50P

▶ Music Horn speaker
▶ High dB yet good for BGM
▶ With 50W transformer
▶ Good for PA and BGM

IP 66

MODEL	HN-10P	HN-15P	HN-30P	HN-50P
Power at 100V	1.25/2.5/5/10; 10W @8ohm	1.9/3.8/7.5/15; 15W @8ohm	3.8/7.5/15/30; 30W @8ohm	2.6/4.5/9/12.5/25/50; 50W @8ohm
Power at 70V	1.25/2.5/5/10; 10W @8ohm	1.9/3.8/7.5/15; 15W @8ohm	3.8/7.5/15/30; 30W @8ohm	2.6/4.5/9/12.5/25/50; 50W @8ohm
SPL(1W/1M)	96dB	101dB	105dB	98dB
Max SPL@ 1M	106dB	113dB	120dB	113dB
Freq. Response	400Hz–8KHz	300Hz–8KHz	350Hz–8KHz	100Hz–18KHz
Dispersion Angel	230 degree	130 degree	103 degree	70 x 90 degree
Product Size	Dia140x190mm	Dia200x230mm	Dia240x290mm	250x360x310mm
Installation	Bracket mount	Bracket mount	Bracket mount	Bracket mount
Enclosure Material	ABS	ABS	ABS	ABS
Weight	1Kg	1.3Kg	2.1Kg	4Kg
Finish	Light grey	Light grey	Light grey	Light Grey

LUCKY TONE

Ceiling speaker without edge

▶ ABS in ceiling speaker at high performance
▶ Availabe in 4, 5, and 6 inch
▶ With 100V line transformer
▶ Good for PA and BGM

Offer 2 versions with and without transformer, T means with transformer

MODEL	CP-420L/T	CP-520L/T	CP-630LT
Power at 100V	20W	20W	30W
Power at 70V	10W	10W	15W
SPL(1W/1M)	89dB	89dB	90dB
Max SPL@ 1M	100dB	100dB	103dB
Freq. Response	100Hz–20KHz	100Hz–20KHz	100Hz–20KHz
Dispersion Angel	Dia 160mm	Dia 180mm	Dia 200
Product Size	Dia180x82mm	Dia 205x85mm	Dia 235x90mm
Installation	In ceiling mounted	In ceiling mounted	In ceiling mounted
Enclosure Material	ABS	ABS	ABS
Weight	1.2Kg	1.3Kg	1.8Kg
Finish	White	White	White
Speakers	4″ coaxial	5″ coaxial	6 ″ coaxial

WP-506S

▶ Moisture proof wall speaker
▶ Compact and light weight
▶ With 6W transformer

Moisture proof for damp application

WP-406C

▶ ABS wall mount speaker
▶ Elegant outlook
▶ With 6W transformer
▶ Good for PA and BGM

WP-420C

▶ ABS Cabinet speaker
▶ Mini size yet powerful sound
▶ With 20W transformer
▶ Good for Mosque

WP-560L

▶ Low impedance wall speaker
▶ Fashionable outlook
▶ Good for high quality sound
▶ Requirement place

MODEL	WP-506S	WP-406C	WP-420C	WP-560L
Power at 100V	3/6W	6W	20W	60W at 4 ohm
Power at 70V	1.5/3W	3W	10W	NA
SPL(1W/1M)	91dB	90dB	91dB	82dB
Max SPL@ 1M	98dB	96dB	104dB	99dB
Freq. Response	150Hz–15KHz	160Hz–15KHz	55Hz–18KHz	75Hz–16KHz
Dispersion Angel	180x180 degree	180x180 degree	NA	170x90 degree
Product Size	175x220x100mm	185x190x90mm	215x155x129mm	340x140x230mm
Installation	Wall mounted	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	ABS	ABS	ABS	ABS
Weight	0.8Kg	0.6Kg	1.5Kg	4Kg
Finish	White	White	White/Black	White
Speakers	5″ x1 full range	4″ x1 full range	1.5 ″ x1 (TREBLE) 4″x1(BASS)	2.5″ x2 (TREBLE) 5.25″x1(BASS)

WP-4120

▶ Long low impedance speaker with adjusted directivity
▶ Good for high demand audio environment

WP-550L

▶ Edgeless in wall speaker
▶ High performance with crossover

WP-540L

▶ Edgeless in wall speaker
▶ High performance with crossover

LA-200

▶ Compact line array speaker
▶ Controllable coverage feature for 60, 45, 30 and 15 degree

Available in white and black color, low impedance and 100V line

MODEL	WP-4120W/B	WP-550L	WP-540L	LA-200W/LA-200T
Power at 100V	120W at 8 ohm	50W at 8 ohm	40W at 8 ohm	200W
Power at 70V	NA	NA	NA	100W
SPL(1W/1M)	90dB	89dB	89dB	99dB @15°
Max SPL@ 1M	111dB	107dB	106dB	120dB @15°
Freq. Response	130Hz–20KHz	75Hz–20KHz	80Hz–20KHz	85Hz–20KHz @15°
Dispersion Angel	90x80 degree	90 degree	90 degree	100x60 degree
Product Size	600x145x170mm	345x158x75mm	220x130x70mm	408x546x342mm
Installation	Wall mounted	In wall	In wall	Hang
Enclosure Material	ABS	ABS	ABS	Polypropylene
Weight	7Kg	1.6Kg	1.6Kg	16Kg
Finish	White/Black	White	White	White/Black
Speakers	4.5″ x4 full range	1″ x1 (TREBLE) 5.25″x2(BASS)	1″ x1 (TREBLE) 5.25″x1(BASS)	1″ x12 (TREBLE) 5″x4(BASS)

WP-N150

▶ Stylish designed speaker suitable for all weather application
▶ With Installation bracket included

WP-N120

▶ Stylish designed speaker suitable for all weather application
▶ With Installation bracket included

WP-N100

▶ Stylish designed speaker suitable for all weather application
▶ With Installation bracket included

WP-540C

▶ Corner fit speaker
▶ High performance with Good looking

Available in white and black color low impedance and 100V line

Available in white and black color low impedance and 100V line

Available in white and black color low impedance and 100V line

MODELASDF	WP-N150W/B	WP-N120W/B	WP-N100W/B	WC-540C
Power at 100V	10/15/30W; 30W@8 ohm	10/15/30W; 30W@8 ohm	20W	10/20/40W; 40W@8 ohm
Power at 70V	5/7.5/15W; 30W@8 ohm	5/7.5/15W; 30W@8 ohm	10W	5/10/20W; 40W@8 ohm
SPL(1W/1M)	89dB	89dB	89dB	89dB
Max SPL@ 1M	107dB	105dB	103dB	106dB
Freq. Response	60Hz–20KHz	80Hz–20KHz	80Hz–20KHz	80Hz–20KHz
Dispersion Angel	90 degree	90 degree	90 degree	90 degree
Product Size	210x220x345mm	157x179x258mm	140x160x230mm	230x80x295mm
Installation	Wall mounted	Wall mounted	Wall mounted	Corner
Enclosure Material	ABS	ABS	ABS	ABS
Weight	2.8Kg	2Kg	1.6Kg	2 Kg
Finish	White/Black	White/Black	White/Black	Black
Speakers	1″ x1 (TREBLE) 6.25″x1(BASS)	1″ x1 (TREBLE) 5.25″x1(BASS)	1″ x1 (TREBLE) 4.25″x1(BASS)	1″ x1 (TREBLE) 5.25″x1(BASS)

In-wall Speaker

▶ In wall mount speaker at stylist design with Excellent frequency response
▶ 70–100V transformer input, and hi–fi amplification
▶ The speaker is suitable for both background music and paging.

MODEL	WP-520Q	WP-630Q	WP-840Q
Power at 100V	5/10/20W	10/15/30W	10/20/40W
Power at 70V	2.5/5/10	2.5/5/15	5/10/20
SPL(1W/1M)	89dB	89dB	89dB
Max SPL@ 1M	102dB	104dB	106dB
Freq. Response	90Hz–18KHz	80Hz–20KHz	80Hz–20KHz
Dispersion Angel	90 degree	90 degree	90 degree
Product Size	190x190x80mm	220x220x90mm	255x255x180mm
Installation	In Wall	In Wall	In Wall
Enclosure Material	ABS	ABS	ABS
Weight	1.2Kg	1.86Kg	2.2Kg
Finish	White	White	White
Speakers	5.25″ coaxial	6.25″ coaxial	8″ coaxial

In-wall Speaker

▶ In wall mount speaker at stylist design with Excellent frequency response
▶ 70–100V transformer input, and hi–fi amplification
▶ The speaker is suitable for both background music and paging.

MODEL	WP-410L	WP-520L	WP-630L	WP-840L
Power at 100V	10W	20W	30W	40W
Power at 70V	5W	10W	15W	20W
SPL(1W/1M)	88dB	88dB	88dB	88dB
Max SPL@ 1M	97dB	100dB	102dB	104dB
Freq. Response	100Hz–20KHz	90Hz–20KHz	90Hz–20KHz	90Hz–20KHz
Hole cut Size	195x120mm	250x160mm	275x190mm	325x220mm
Product Size	220x150x70mm	280x192x75mm	310x223x85mm	360x256x100mm
Installation	In wall mounted	In wall mounted	In wall mounted	In wall mounted
Enclosure Material	ABS	ABS	ABS	ABS
Weight	1.3Kg	1.5Kg	2Kg	2.7Kg
Finish	White	White	White	White
Speakers	4″ bass, 1″treble	5″ bass, 1″treble	6″ bass, 1″treble	8″ bass, 1″treble

WP-640F

▶ ABS wall mount speaker
▶ Elegant outlook
▶ With 40W transformer
▶ Good for PA and BGM

WP-530F

▶ ABS speaker
▶ Stylish with powerful sound
▶ With 30W transformer
▶ Good for PA and BGM

WP-420F

▶ Stylish in design with powerful sound
▶ Suitable for various applications

Black and white color available

MODEL	WP-640F	WP-530F	WP-420F
Power at 100V	40W	30W	20W
Power at 70V	20W	15W	10W
SPL(1W/1M)	90dB	88dB	88dB
Max SPL@ 1M	106dB	103dB	101dB
Freq. Response	70Hz–20KHz	90Hz–20KHz	60Hz–20KHz
Dispersion Angel	90 degree	90 degree	90 degree
Product Size	284x215x190mm	242x182x162mm	215x170x150mm
Installation	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	ABS	ABS	ABS
Weight	3.5Kg	2.5Kg	2.2Kg
Finish	White/Black	White/Black	White/Black
Speakers	1″ x 1 (TREBLE) 6″x1 (BASS)	1″ x 1 (TREBLE) 5″x1 (BASS)	1″ x 1 (TREBLE) 4″x1 (BASS)

High Fidelity Speaker

▶ Good music reproduction
▶ Fashionable appearance
▶ Available in BLACK and WHITE color
▶ Suitable for conference room and high quality audio demand applications.

Rear

WP-420B   WP-540W   WP-660W   WP-880W   Side

| MODEL	WP-420W/B	WP-540W/B	WP-660W/B	WP-880W/B
Power at 100V	5/10/20W; 20W@8 ohm	10/20/40W; 40W@8 ohm	15/30/60W; 60W@8 ohm	20/40/80W; 80W@8 ohm
Power at 70V	2.5/5/10W; 20W@8 ohm	5/10/20W; 40W@8 ohm	7.5/15/30W; 60W@8 ohm	10/20/40W; 80W@8 ohm
SPL(1W/1M)	90dB	90dB	91dB	91dB
Max SPL@ 1M	103dB	105dB	108dB	110dB
Freq. Response	60Hz–18KHz	60Hz–18KHz	60Hz–18KHz	60Hz–18KHz
Dispersion Angel	90x80 degree	90x80 degree	90x80 degree	90x80 degree
Product Size	250x160x150mm	300x170x165mm	345x200x195mm	455x275x260mm
Installation	Wall mounted	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	ABS	ABS	ABS	ABS
Weight	1.5Kg	3.4Kg	3.8Kg	7.5Kg
Finish	White/Black	White/Black	White/Black	White/Black
Speakers	3/4″ x1 (TREBLE) 4″x1(BASS)	1″ x1 (TREBLE) 5″x1(BASS)	1″ x1 (TREBLE) 6.5″x1(BASS)	1″ x1 (TREBLE) 8″x1(BASS)

WP-430C

▶ Stylish in design with powerful sound
▶ Suitable for various applications

WP-540C

▶ ABS speaker
▶ Stylish with powerful sound
▶ With 40W transformer
▶ Good for PA and BGM

WP-660C

▶ ABS wall mount speaker
▶ Elegant outlook
▶ With 60W transformer
▶ Good for PA and BGM
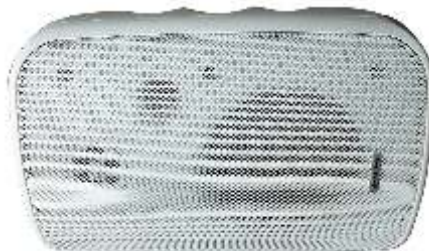
MODEL	WP-660C	WP-540C	WP-430C
Power at 100V	20/40/60W; 60W@8 ohm	10/20/40W; 40W@8 ohm	10/15/30W; 30W@8 ohm
Power at 70V	10/20/30W; 60W@8 ohm	5/10/20W; 40W@8 ohm	5/7.5/15W; 30W@8 ohm
SPL(1W/1M)	90dB	90dB	90dB
Max SPL@ 1M	108dB	109dB	108dB
Freq. Response	60Hz–20KHz	80Hz–20KHz	60Hz–20KHz
Dispersion Angel	90 degree	90 degree	90 degree
Product Size	210x200x315mm	184x185x297mm	157x165x270mm
Installation	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	ABS	ABS	ABS
Weight	3.58Kg	2.8Kg	2Kg
Finish	White/Black	White/Black	White/Black
Speakers	1″ x 1.25 (TREBLE) 6.25″x1 (BASS)	1″ x 1.25 (TREBLE) 5.25″x1 (BASS)	1″ x 1.25 (TREBLE) 4.25″x1 (BASS)

WP-440S

▶ Weather proof wall speaker
▶ Mini size yet powerful sound
▶ With 40W transformer

IP 44 for water resistant application

WP-610

▶ ABS wall mount speaker
▶ Elegant outlook
▶ With 10W transformer
▶ Good for PA and BGM

WP-610C

▶ ABS speaker
▶ Mini size yet powerful sound
▶ With 10W transformer
▶ Good for PA and BGM

WP-610T

▶ ABS speaker Mini size yet powerful
▶ sound
▶ With 10W transformer
▶ Good for PA and BGM

MODEL	WP-440S	WP-610	WP-610C	WP-610T
Power at 100V	5/10/20/40W; 40W@ 8ohm	10W	5/10W	6/10W
Power at 70V	2.5/5/10/20W; 40W@ 8ohm	5W	2.5/5W	3/5W
SPL(1W/1M)	91dB	91dB	92dB	92dB
Max SPL@ 1M	108dB	100dB	102dB	102dB
Freq. Response	80Hz–20KHz	150Hz–15KHz	150Hz–15KHz	150Hz–15KHz
Dispersion Angel	90x80 degre	NA	100x100 degree	90x80 degree
Product Size	295x195x155mm	350x240x100mm	260x185x120mm	275x182x120mm
Installation	Wall mounted	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	ABS	ABS	ABS	ABS
Weight	3.6Kg	1.4Kg	1.3Kg	1.38Kg
Finish	White/Black	White	White	White
Speakers	1″ x1 (TREBLE) 4.8″x1(BASS)	6.5″ x1 full range	6.5″ x1 full range	1″ x1 (TREBLE) 6.5″x1(BASS)

RK-620

▶ Weather proof for out door application
▶ Elegant yet powerful sound
▶ With 20W transformer

RK-630

▶ Weather proof for out door application
▶ Elegant yet powerful sound
▶ With 30W transformer

RK-650

▶ Weather proof for out door application
▶ Elegant yet powerful sound
▶ With 30W transformer

RK-6100

▶ Weather proof for out door application
▶ Elegant yet powerful sound
▶ With 80W transformer

MODEL	RK-620	RK-630	RK-650	RK-6100
Power at 100V	5/10/20W	8/15/30W	8/15/30W	100W
Power at 70V	2.5/5/10W	4//7.5/15W	4/7.5/15W	50W
SPL(1W/1M)	90dB	91dB	91dB	93dB
Max SPL@ 1M	103dB	107dB	109dB	115dB
Freq. Response	100Hz–16KHz	80Hz–16KHz	80Hz–16KHz	30Hz–4KHz
Dispersion Angel	NA	NA	NA	NA
Product Size	230x210x270mm	400x300x280mm	470x320x500mm	560x470x380mm
Installation	Ground mounted	Ground mounted	Ground mounted	Ground mounted
Enclosure Material	Fiber glass	Fiber glass	Fiber glass	Fiber glass
Weight	3.5Kg	6Kg	10Kg	8Kg
Finish	Grey	Yellow	Grey	Yellow

Out Door Column Speaker

IP 44 for outdoor use

▶ Heavy duty aluminum column speaker for outdoor application with high IP rating.
▶ Excellent frequency response
▶ 70–100V transformer input

Bottom   LM–510T   LM–520T   LM–530T   LM–540T

MODEL	LM-510T	LM-520T	LM-530T	LM-540T
Power at 100V	5/10W	10/20W	15/30W	20/40W
Power at 70V	2.5/5W	5/10W	7.5/15W	10/20W
SPL(1W/1M)	91dB	91dB	92dB	92dB
Max SPL@ 1M	100dB	103dB	104dB	107dB
Freq. Response	130Hz–16KHz	130Hz–16KHz	130Hz–18KHz	130Hz–16KHz
Dispersion Angel	90x90 degree	90x90 degree	90x80 degree	90x80 degree
Product Size	270x115x150mm	390x115x150mm	505x115x150mm	620x115x150mm
Installation	Wall mounted	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight	2.6Kg	4.1Kg	4.4Kg	5Kg
Finish	Light Grey	Light Grey	Light Grey	Light Grey
Speakers	1″ x1 (TREBLE) 4″x1(BASS)	1″ x1 (TREBLE) 4″x2(BASS)	1″ x1 (TREBLE) 4″x3(BASS)	1″ x1 (TREBLE) 4″x4(BASS)

In- Door Column Speaker

▶ Indoor column speaker with slim body to produce good music effects
▶ Excellent frequency response
▶ 70–100V transformer input

Rear   LM–210   LM–220   LM–230   LM–240

MODEL	LM-210	LM-220	LM-230	LM-240
Power at 100V	5/10W	10/20W	15/30W	20/40W
Power at 70V	2.5/5W	5/10W	7.5/15W	10/20W
SPL(1W/1M)	90dB	90dB	92dB	92dB
Max SPL@ 1M	100dB	102dB	104dB	107dB
Freq. Response	160Hz–16KHz	160Hz–16KHz	130Hz–18KHz	130Hz–16KHz
Dispersion Angel	90x100 degree	90x110 degree	90x110 degree	80x110 degree
Product Size	260x105x75mm	405x105x75mm	548x105x75mm	690x105x75mm
Installation	Wall mounted	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight	1.3Kg	2Kg	2.7Kg	3.5Kg
Finish	White	White	White	White
Speakers	2.5″x2 full range	2.5″ x4 full range	2.5″x6 full range	2.5″x8 full range

In-outDoor Column Speaker

▶ Aluminum wall mount speaker at stylist design with Excellent frequency response

▶ 70–100V transformer input, and hi–fi amplification

▶ The speaker is suitable for both background music and paging.

IP 44 for outdoor use

MODEL	LSA-440	LSA-430	LSA-420
Power at 100V	20/40W	15/30W	10/20W
Power at 70V	10/20W	7.5/15W	5/10W
SPL(1W/1M)	95dB	93dB	92dB
Max SPL@ 1M	110dB	107dB	105dB
Freq. Response	110Hz–19KHz	110Hz–19KHz	110Hz–19KHz
Dispersion Angel	180x50 degree	180x50 degree	180x50 degree
Product Size	145x145x645mm	145x145x545mm	145x145x445mm
Installation	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	Aluminum	Aluminum	Aluminum
Weight	6Kg	5Kg	4Kg
Finish	Khaki	Khaki	Khaki
Speakers	4″x4 bass, 1″x1 treble	4″x3 bass, 1″x1 treble	4″x2bass, 1″x1 treble

In- Door Column Speaker

▶ Wooden wall mount speaker at stylist design with Excellent frequency response

▶ 70–100V transformer input, and hi–fi amplification

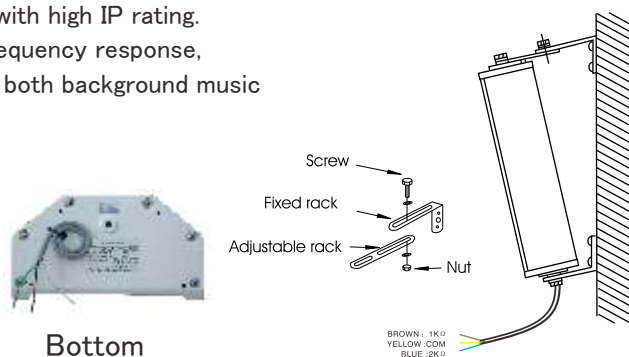▶ The speaker is suitable for both background music and paging.
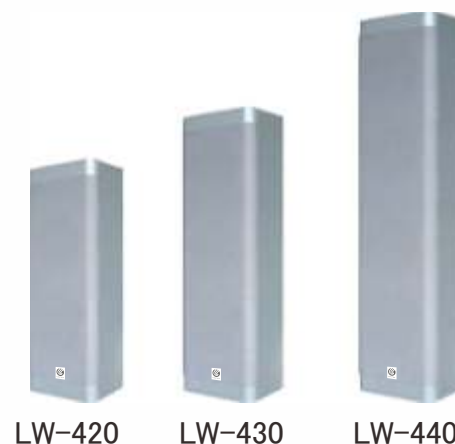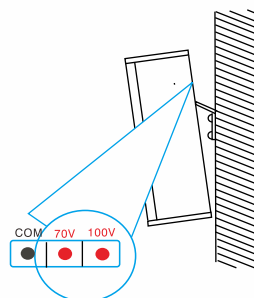
LW-420   LW-430   LW-440

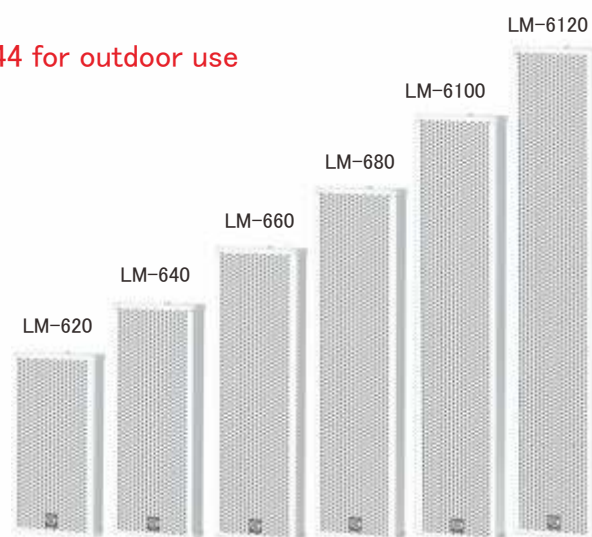| MODEL	LW-420	LW-430	LW-440
Power at 100V	10/20W	15/30W	20/40W
Power at 70V	5/10W	7.5/15W	10/20W
SPL(1W/1M)	92dB	92dB	93dB
Max SPL@ 1M	104dB	106dB	108dB
Freq. Response	130Hz–16KHz	130Hz–16KHz	130Hz–16KHz
Dispersion Angel	90x100 degree	90x100 degree	90x100 degree
Product Size	365x160x115mm	480x160x115mm	600x160x115mm
Installation	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	MDF Wood	MDF Wood	MDF Wood
Weight	3Kg	3.68Kg	4.58Kg
Finish	Light Grey	Light Grey	Light Grey
Speakers	4.5″x1 Full range	4.5″x2 Full range	4.5″x4 Full range

Out Door Column Speaker

IP 44 for outdoor use

▶ Heavy duty aluminum column speaker for outdoor application with high IP rating.

▶ Excellent frequency response,

▶ Suitable for both background music and paging.

Screw
Fixed rack
Adjustable rack
Nut

BROWN : 1KΩ
YELLOW :COM
BLUE :2KΩ

Bottom

LM-620 LM-640 LM-660 LM-680 LM-6100 LM-6120

MODEL	LM-620	LM-640	LM-660	LM-680	LM-6100	LM-6120
Power at 100V	10/20W	20/40W	30/60W	40/80W	50/100W	60/120W
Power at 70V	5/10W	10/20W	15/30W	20/40W	25/50W	30/60W
SPL(1W/1M)	93dB	93dB	94dB	95dB	96dB	96dB
Max SPL@ 1M	105dB	108dB	112dB	116dB	117dB	118dB
Freq. Response	130Hz–16KHz	130Hz–16KHz	130Hz–16KHz	130Hz–16KHz	130Hz–16KHz	130Hz–16KHz
Dispersion Angel	80x100 degree	80x100 degree	80x100 degree	80x100 degree	80x100 degree	80x100 degree
Product Size	304x227x125mm	520x227x125mm	736x227x125mm	952x227x125mm	1168x227x125mm	1384x227x125mm
Installation	Wall mounted	Wall mounted	Wall mounted	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Weight	3.2Kg	5Kg	6.8Kg	8.6Kg	10.5Kg	12.5Kg
Finish	White	White	White	White	White	White
Speakers	6″x1 Full range	6″x2 Full range	6″x3 Full range	6″x4 Full range	6″x5 Full range	6″x6 Full range

ACTIVE WALL MOUNT SPEAKER FOR CLASS ROOM

MODEL NUMBER: CW-630/CW-420

Product features:

This stereo loudspeaker active set with 1 active and 1 passive loudspeaker that stands for reliability, simplicity, dynamic music and detailed voice reproduction. The active stereo amplifier loudspeaker has a low distortion high efficiency 6.5" or 4" woofer and one output is fed to the second linkable passive loudspeaker.
Equipped with volume and tone controls, accurate clip indicators and a stereo 2 channel amplifier, it is perfect for schools, conferences and presentations, as well as morning exercise, etc.

CW-420

CW-630

Product features:

- Powerful 6.5" or 4" bass with 1" treble
- Stereo power amplifier
- With bass, treble, and volume controls
- Audio clip showing the status
- High output with good quality sound
- Stylish, easy to install on wall or corner

MODEL	CW-630	CW-420
Output Power:	30*2 RMS	20*2 RMS
T.H.D. :	20Hz-20KHz/1W, 0.05%	
Input Sensitivity:	0.5V	
Frequency response:	70Hz-18KHz	
Signal to Noise Ratio:	Bigger than 98 dB	
Damping factor:	Bigger than 200 @ 8 ohm/400Hz	
Channel Isolation:	Bigger than 75 dB	
Bass and Treble:	+/- 10 dB	
Slew Rate:	30V/US	
Drivers:	Tweeter1″*1, Woofer 6.5″*1	Tweeter1″*1, Woofer 4″*1
Power Supply:	220-240VAC, 50-60Hz	220-240VAC, 50-60Hz
Weight:	6 kg for 1 pair	3 kg for 1 pair
Dimension:	300×200×150mm	238×160×150mm

LUCKY TONE

6.5" ACTIVE WALL MOUNT SPEAKER FOR CLASS ROOM

MODEL NUMBER: CP-630W/630B

Product features:

This stereo loudspeaker active set with 1 active and 1 passive loudspeaker that stands for reliability, simplicity, dynamic music and detailed voice reproduction. The active stereo amplifier loudspeaker has a low distortion high efficiency 6.5 " woofer and one output is fed to the second linkable passive loudspeaker.

Equipped with volume and tone controls, accurate clip indicators and a stereo 2 x 30 watts amplifier, it is perfect for schools, conferences and presentations, as well as morning exercise, etc.

Rear Control

Black and white color are available

Product features:

- Powerful 6.5" bass with 1" treble
- 2*30W RMS power amplifier
- Separate volume control for left and right channel
- Flexible phoenix mic input
- High output with good quality sound
- Stylish, easy to install on wall or corner

MODEL	CP-630W/CP-630B
Output Power:	30∗2 RMS
T.H.D. :	20Hz-20KHz/1W, 0.05%
Input Sensitivity:	0.5V
Frequency response:	70Hz-18KHz
Drivers:	Tweeter1″∗1, Woofer 6.5″∗1
Slew Rate:	30V/US
Signal to Noise Ratio:	Bigger than 98 dB
Damping factor:	Bigger than 200 @ 8 ohm/400Hz
Channel Isolation:	Bigger than 75 dB
Bass and Treble:	+/- 10 dB
Power Supply:	220-240VAC, 50-60Hz
Weight:	4.7 kg for 1 pair
Dimension:	285×185×130mm

Rectangular and square type volume controllers

▶ Stylish design suitable for any environment

Reliable quality working with Lucky Tone or other PA/VA systems

Power rating ranging from 6W to 120W

T means with 24VDC override in case of emergency
B means comes with back box

	6W	30W	60W	120W

MODEL	VC-06	VC-30	VC-60	VC-120
Power Rating	6W	30W	60W	120W
Steps	5	5	5	5
Control mode	Resistor	Transformer	Transformer	Transformer
Signal input	100V	100V	100V	100V
Freq. Response	20Hz–20KHz	20Hz–20KHz	20Hz–20KHz	20Hz–20KHz
Product Size WHD	86 x 86 x 50mm	86 x 86 x 62mm	86 x 86 x 70mm	86 x 86 x 50mm
Enclosure Material	Plastic	Plastic	Plastic	Plastic
Weight	70g	135g	295g	503g
Finish	White	White	White	White

Ordering code for different types

MODEL	Discription
VA–06	6W volume control, rectangular type 115 x 70
VA–30	30W volume control, rectangular type 115 x 70
VA–60	60W volume control, rectangular type 115 x 70
VA–120	120W volume control, rectangular type 115 x 70
VA–06T	6W volume control, rectangular type 115 x 70, 24VDC override
VA–30T	30W volume control, rectangular type 115 x 70, 24VDC override
VA–60T	60W volume control, rectangular type 115 x 70, 24VDC override
VA–120T	120W volume control, rectangular type 115 x 70, 24VDC override
VA–06B	6W volume control, rectangular type 115 x 70 with back box
VA–30B	30W volume control, rectangular type 115 x 70 with back box
VA–60B	60W volume control, rectangular type 115 x 70 with back box
VA–120B	120W volume control, rectangular type 115 x 70 with back box
VA–06TB	6W volume control, rectangular type 115 x 70, 24VDC override and back box
VA–30TB	30W volume control, rectangular type 115 x 70, 24VDC override and back box
VA–60TB	60W volume control, rectangular type 115 x 70, 24VDC override and back box
VA–120TB	120W volume control, rectangular type 115 x 70, 24VDC override and back box
VB–06	6W volume control, square type 86 x 86
VB–30	30W volume control, square type 86 x 86
VB–60	60W volume control, square type 86 x 86
VB–120	120W volume control, square type 86 x 86
VB–06T	6W volume control, square type 86 x 86, 24VDC override
VB–30T	30W volume control, square type 86 x 86, 24VDC override
VB–60T	60W volume control, square type 86 x 86, 24VDC override
VB–120T	120W volume control, square type 86 x 86, 24VDC override

Digital Tuner with USB   AS-TNR

▶ Integrate with USB and Mp3 in the front panel with USB has priority over tuner.

▶ With wireless IR remote controller.

▶ Up to 60 channel memories can be set.

▶ Mon and stereo output selection.

▶ Fast scan with manual and auto tuning.

REAR PANEL

SPECIFICATIONS	AS-TNR
Audio Output	10K ohms, less than 500mV unbalanced
Frequency Range	AM: 522Khz–1620Khz; FM 87Mhz– 108Mhz
Antenna Input	75 ohms
THD	Less than 0.01% at 1kHZ
S/N Ratio	AM Bigger than 40dB; FM Bigger than 45dB
Power Requirements	220–240V AC, 50/60 Hz;
Frequency Response	20Hz–18KHz
Power Consumption	10–15 W
Built-in Dimensions	1 U rack 19 inch
Net/Gross Weight	2.3/3.1 kg
Dimensions	45(H) x 483(W) x 255(D) mm

DVD Player with USB   AS-DVD

▶ Integrate Mp3 player with USB in the front.

▶ Stereo line output and video output by RCA.

▶ With wireless IR remote controller.

▶ Sopport DVD, VCD, CD, HDCD, DIVX, SVCD, MPEG4, Np3, WMA, CDR/RW format disc and auto play function

REAR PANEL

SPECIFICATIONS	AS-DVD
Audio Output	600 ohms, 775mV
Video Output	75 ohms, 775mV
THD	Less than 0.01% at 1kHZ
S/N Ratio	Bigger than 80dB
Power Requirements	220–240V AC, 50/60 Hz;
Frequency Response	20Hz–18KHz
Power Consumption	10–15 W
Built-in Dimensions	1.5 U rack 19 inch
Net/Gross Weight	2.7/3.8 kg
Dimensions	51(H) x 483(W) x 250(D) mm

Mp3 Player with 4 zones   AS-MP3

▶ Aux and microphone input with individu-al volume controls.

▶ Support MP3/MAV/WMA format.

▶ Store up to 4 programs and choose to run.

▶ With 4GB erasable flash memory.

▶ Built-in 5W hi-fi speaker for audio moni-toring with volume control.

▶ Rs232 to download programs from PC.

▶ With USB input

REAR PANEL

SPECIFICATION	AS-MP3
Line input	10K ohms, 330mV unbalanced
Mic input	600 ohms, 5–8mV unbalanced
Line output	10k ohms, 500mV (0dB), unbalanced
S/N Ratio	Bigger than 90dB
Power Requirements	220–240V AC, 50/60 Hz;
Frequency Response	20Hz–18KHz
Power Consumption	15–20 W
Built-in Dimensions	2 U rack 19 inch
Net/Gross Weight	6.4/7.2 kg
Dimensions	89(H) x 483(W) x 350(D) mm

2-Channel All-in-one Audio Player — AS-D6

REAR PANEL

▶ Integrate with DVD, Mp4, Mp3, CD, tuner USB, into one U unit
▶ With selectable 2 channel outputs.
▶ Equipped with 2 USB inputs
▶ Stereo line output and video output by RCA
▶ Fast scan with manual and auto tuning.
▶ With wireless IR remote controller.
▶ Up to 60 channel memories can be set.
▶ Mon and stereo output selection.

SPECIFICATIONS	AS-D6
Audio Output	10K ohms, less than 500mV unbalanced
Frequency Range	AM: 522Khz–1620Khz; FM 87Mhz– 108Mhz
Antenna Input	75 ohms
THD	Less than 0.01% at 1kHZ
S/N Ratio	AM Bigger than 40dB; FM Bigger than 45dB
Power Requirements	220–240V AC, 50/60 Hz;
Frequency Response	20Hz–18KHz
Power Consumption	10–15 W
Built-in Dimensions	1 U rack 19 inch
Net/Gross Weight	2.3/3.1 kg
Dimensions	45(H) x 483(W) x 255(D) mm

Emergency Microphone Panel — EM-3

▶ LED display screen with flash indicator to show the fire status
▶ 50 seconds message recording
▶ Manual / Auto trigger recorded message
▶ Vol control for handheld and PPT mic
▶ Short circuit try contact to activate emergency message

REAR PANEL

SPECIFICATIONS	EM-3
Audio Output	SIREN/Play/EMIC2 > or = to 8 mV, unbalanced
TRIG Output	Short Circuit signal activation output
Record Input	MIC >or= to 8 mV unbalanced, Line >or= 330mV unbalanced
Alarm Input	Short Circuit signal input
Alarm activation mode	Manual operation / alarm signal
Power Requirements	24VDC/500MA
Display	LCD Indicator
Power Consumption	Less than10W
Built-in Dimensions	2 U rack 19 inch
Net Weight	5 kg
Dimensions	89(H) x 483(W) x 366(D) mm

Programmable Timer — AS-TIME6

REAR PANEL

▶ With 4GB built-in memory, expandable to 8, 16 and 32GB
▶ 3. 2 inch TFT true color display
▶ Support external U disc play
▶ Timing program via PC
▶ 4 sets of program, each up to 240 timings.
▶ With built-in FM function.
▶ With dry contact input to activate the built-in MSG.
▶ 1 MIC and 1 Aux inputs; 2 aux outputs.

SPECIFICATIONS	AS-TIME6
Audio Output	10K ohms, less than 500mV unbalanced
Frequency Range	FM 87Mhz– 108Mhz
Antenna Input	75 ohms
THD	Less than 0.01% at 1kHZ
S/N Ratio	Better than 80dB
Power Requirements	220–240V AC, 50/60 Hz;
Frequency Response	20Hz–18KHz
Power Consumption	10–15 W
Built-in Dimensions	2 U rack 19 inch

4 Speaker and 2 speaker systems   AS-D6

Discriptions:

This small multi–home audio system equipped with USB/SD and 3.5mm jack can power 2 to 4 pcs of speakers in your home or small commercial area. It uses a high efficiency class–D amplifier for a maximum output of 2*15 or 4*15 watts over 8ohm, low–impedance speakers.The cool display shows relevant track music info. Plus, you can control everything –seek, change tracks, and adjust the volume – using the included wireless infrared remote controller. environment.

Features:

▶ LED display screen shows the working status, like track info.
▶ Mounted on the wall for easy control
▶ With wireless remote control
▶ Includes USB/SD/AUX/Bluetooth/FM
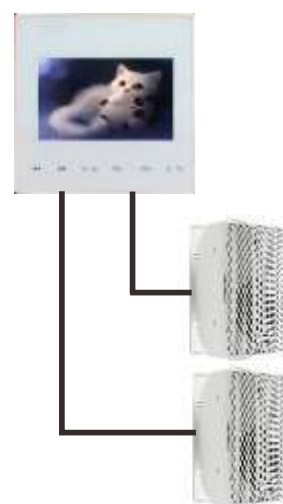▶ Suitable for homes, commercial areas, kid's room, etc

Power On/Off   Screw Reset

SPECIFICATIONS	BA-215	BA-415
Power Output	2*15W	4*15W
Speaker Impedance	8 ohm	8 ohm
FM Frequency	70–108MH	70–108MH
Frequency Response	20–20K Hz	20–20K Hz
Music format	Mp3, WMA, WAV	Mp3, WMA, WAV
Power Requirements	100–240VAC	100–240VAC
Display	LCD Screen	LCD Screen

BA-415

BA-215

AC Power Supply

FM AT
Aux in

4 Speaker and 2 speaker systems   AS-D6

Discriptions:

This small multi–home audio system equipped with USB/SD and 3.5mm jack can power 2 to 4 pcs of speakers in your home or small commercial area. It uses a high efficiency class–D amplifier for a maximum output of 2*15 or 4*15 watts over 8ohm, low–impedance speakers.The cool display shows relevant track music info. Plus, you can control everything –seek, change tracks, and adjust the volume – using the included wireless infrared remote controller. environment.

Power On/Off   Screw
Reset

Features:

▶ LED display screen shows the working status, like track info.

▶ Mounted on the wall for easy control

▶ With wireless remote control

▶ Includes USB/SD/AUX/Bluetooth/FM
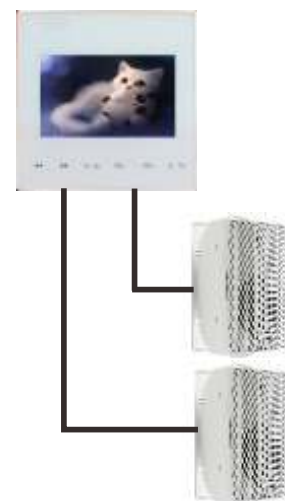
▶ Suitable for homes, commercial areas, kid's room, etc

SPECIFICATIONS	BA-215	BA-415
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Frequency Response	20–20K Hz	20–20K Hz
Music format	Mp3, WMA, WAV	Mp3, WMA, WAV
Power Requirements	100–240VAC	100–240VAC
Display	LCD Screen	LCD Screen

BA-415

BA-215

AC Power Supply

FM AT
Aux in
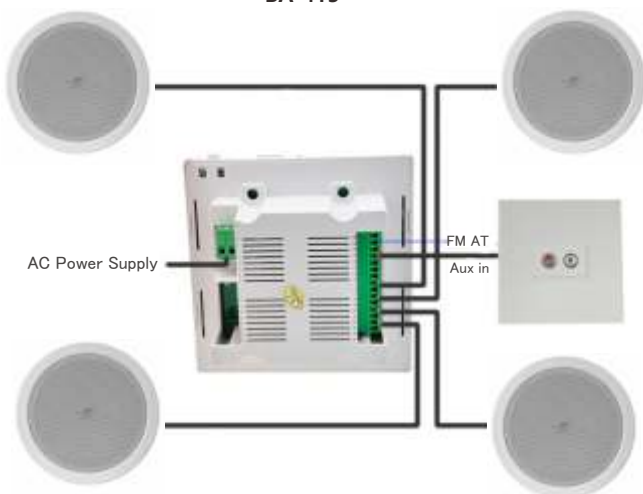
MI-102

▶ Fashionable outlook
▶ Built–in 2 chime tone
▶ Red LED indicator

MI-103

▶ Fashionable outlook
▶ Tunable mic gooseneck
▶ Ultra directivity

MI-103D

▶ 2 capsule microphone
▶ Tunable mic gooseneck
▶ Red LED indicator

MI-104

▶ Adjustable Mic gooseneck
▶ Steady and high class metal base
▶ Red Ring and base LED indicator

MODEL	MI-102	MI-103	MI-103D	MI-104
Capsule Type	Condenser	Condenser	Condenser	Condenser
Frequency Response	40Hz–16KHz	40Hz–18KHz	40Hz–18KHz	40Hz–16KHz
Polar Pattern	Cardiod	Supper Cardiod	Supper Cardiod	Cardiod
Output Impedance	200 ohms	75 ohms	75 ohms	200 ohms
Sensitivity	−43dB	−45dB	−45dB	−35dB
Power Requirements	12VDC	48 V phantom power	48 V phantom power	11−52 V phantom power
Product Weight	1Kg	0.6Kg	0.65Kg	1.2Kg

MI-105

▶ Dynamic microphone
▶ No power is required
▶ With No/off switch

MI-106

▶ Long standing microphone
▶ Max 1700mm
▶ With supper direct dual capsule
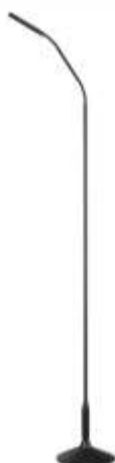
MD-100

▶ Flexible microphone stand
▶ Table type
▶ 26cm Long

HM-100

▶ Unique Voice coil with echo suppression technology
▶ Suitable for live performance

MODEL	MI-105	MI-106	MD-100	HM-100
Capsule Type	Dynamic	Condenser	NA	Dynamic
Frequency Response	50Hz–12KHz	40Hz–16KHz	NA	50Hz–16KHz
Polar Pattern	Cardiod	Supper Direct	NA	Cardiod
Output Impedance	600 ohms	200 ohms	NA	600 ohms
Sensitivity	−46dB	−35dB	NA	−46dB
Power Requirements	NO need	11−52 V phantom power	NA	NA
Product Weight	1.2Kg	3.5Kg	1.5Kg	0.6Kg

MI-107

▶ Fashionable outlook
▶ Built-in ding dong chime
▶ Red LED indicator

MI-108

▶ Fashionable outlook
▶ Programmable chime
▶ Ultra directivity

MI-109

▶ Adjustable Mic gooseneck
▶ Programmable chime
▶ Red Ring and base LED indicator

MODEL	MI-107	MI-108	MI-109
Capsule Type	Condenser	Condenser	Condenser
Frequency Response	80Hz–12KHz	60Hz–15KHz	40Hz–17KHz
Polar Pattern	Cardiod	Supper Cardiod	Supper Cardiod
Output Impedance	200 ohms	75 ohms	200 ohms
Sensitivity	−43dB	−47dB	−32dB
Power Requirements	3VDC	9VDC/230VAC	9VDC/230VAC

LUCKY TONE

MODEL NUMBER: WM-820

MODEL NUMBER: WM-810

This WM Dual Channel Handheld Wireless System features efficient RF performance, diversified frequency range, and high S/N ratio. Thus, it is suitable for wireless professional sound reinforcement, such as, KTV, education, and live performance.

This WMU single Channel Handheld Wireless System features efficient RF performance, diversified frequency range, and high S/N ratio. Thus, it is suitable for wireless professional sound reinforcement, such as, church, education, and live performance.

Standard handheld, Optional collar type microphone is available

Standard handheld, Optional collar type microphone is available

RECEIVER

Frequency Ranges	UHF720-830MHz
Frequency Stability	±0.002%
Sensitivity(peak deviation)	10μV
F/N Ratio	>8odb
P/N Ratio	>80db
S/N Ratio	>90db
Dilation Ratio	1:2
AF Output Voltage	adjustable: 0-300mV
Channels	2
Output jack	6.3 unbalanced mixed
Power Supply	DC 13V-500mA, 50Hz
Power comsuption	6W
Antenna	External
Dynamic frequency range	>100db
T.H.D	<0.5%
Temperature Range	-10 ~ 50 degree

TRANSMITTER

Frequency Range	UHF720-830MHz
Frequency Stability	0.002%
RF Power	30mW
Current Consumption	< main wave 40db
Modulation Mode	FM
Deviation Range	±20KHz
Compress Ratio	2.1
Microphone Head	Supper Cardioid
Battery Type	Type 5, 1.5V alkaline battery
Anternna	Exterior Antenna
Frequency Response	50Hz ~ 15KHz
Receiver distance	About 50 meters

RECEIVER

Frequency Ranges	UHF790-830MHz
Frequency Stability	±10ppm
Sensitivity(peak deviation)	10μV
F/N Ratio	>8odb
P/N Ratio	>80db
S/N Ratio	>90db
Dilation Ratio	1:2
AF Output Voltage	adjustable: 0-300mV
Adjustable Channels	100
Output jack	(XLR)balance & 6.3 unbalance
Power Supply	220V 50Hz or 110V 60Hz
Power comsuption	5W
Antenna	External
Dynamic frequency range	>100db
T.H.D	<0.5%
Temperature Range	-10 ~ 50 degree

TRANSMITTER

Frequency Range	UHF790-830MHz
Frequency Stability	0.002%
RF Power	30mW
Current Consumption	< main wave 40db
Modulation Mode	FM
Deviation Range	±20KHz
Compress Ratio	2.1
Microphone Head	Supper Cardioid
Battery Type	Type 5, 1.5V alkaline battery
Anternna	Exterior Antenna
Frequency Response	40Hz ~ 18KHz
Receiver distance	About 50 meters

LC-100 Conference System Discussion Version

Discriptions:

This LC-100 compact conference system is designed with high fidelity capsule to have the best clarity to reflect the original sound yet cancelling all the feedbacks. It processes the audio signals with the right level of amplification and allocation to suit any medium to small events. Chairman unit has the priority to mute the delegates with pre-settings. It is a highly effective providing turnkey solution with natural, feedback-free audio performance whatever the environment.

LC-100C Chairman Unit   LC-100D Delegate Unit

Features:

► Main unit control up to 180pcs and power up to 60pcs microphones

► Equipment with best noise cancellation technology

► With output to record the meeting

► Chairman with Priority to mute delegates

► Digital acoustic feedback suppression

► 8 Pin cable provides secure and reliable communication

► Versatile for small to medium conference application

LC-100M Main Control Unit

LC-600 Conference Systems

Discriptions:

The innovative design makes this LC 600 series more than just another conference system. With ECM capsule, intelligent automatic mixing technology, integrated acoustic and mechanical system, the conference system is designed with the latest digital technology in accordance with IEC914 and ISO standards. It's a highly effective providing turnkey solution with natural, feedback-free audio performance whatever the environment.

LC-600M System Main Unit

Features:

► Main unit control up to 250pcs and power up to 50pcs microphones

► Equipment with best noise cancellation technology

► Built-in 100W power amplifier

► Chairman with Priority to mute delegates

► 4 groups of audio output

► With conference record output

► Digital acoustic feedback suppression

► Equipped with the auto-off function, if the unit is not working in 30 second, the microphone will be off

► 8 Pin cable provides secure and reliable communication

► Versatile for small to medium conference application

LC-600C
CHAIRMAN UNIT

LC-600D
DELEGATE UNIT

UC-600 wireless Conference System

Discriptions:

With UHF FM modulation technology, This UC−600 wireless conference system is designed with high fidelity capsule to have the best clarity to reflect the original sound yet cancelling all the feedbacks. It is a fully digital system with big LCD screen to show the status, very low energy consuming, continouly working for 8 hours and standby for 20 hours. It is a highly effective providing turnkey solution with natural,feedback−free audio performance whatever the environment.

Features:

▶ Main unit control up to 248pcs and 3pcs microphones,2 delegates,1 chairman or vise versa working simultaneously

▶ Equipment with best noise cancellation technology

▶ UHF 780 to 850Mhz for 50 to 100 meters working range

▶ Built−in auto camera tracing function

▶ With USB meeting record output

▶ With delegate speaking 1−2−3 mode selection

▶ Main unit with 20 channels to set up to 20 sets of system working at the same place

UC−600D Delegate Unit   UC−600C Chairman Unit

UC−600M Main Control Unit

UC−600CG Charger for 40 microphones

Wireless

UC−200D Delegate Unit   UC−200C Chairman Unit

UC−200M Main Control Unit   UC−200CG Charger

UC-200 Wireless Conference System

Discriptions:

With UHF FM modulation technology, This UC−200 wireless conference system is designed with high fidelity capsule to have the best clarity to reflect the original sound yet cancelling all the feedbacks. It is a fully digital system with big LCD screen to show the status, very low energy consuming, continouly working for 8 hours and standby for 20 hours. It is a highly effective providing turnkey solution with natural,feedback−free audio performance whatever the environment.

Features:

▶ Main unit control up to 256pcs and working at 500 to 950 Mhz frequency

▶ Equipment with best noise cancellation technology

▶ With output to record the meeting

▶ Chairman with Priority to mute delegates

▶ Digital acoustic feedback suppression

▶ With delegate speaking 1−2−3−4 mode selection

▶ Up to 5 microphones working at the same time, 1 chairman and 4 delegates

LC-800 Conference Systems discussion version

▶ **Discriptions:**

The innovative design makes this LC 800 series more than just another conference system. With ECM capsule, intelligent automatic mixing technology, integrated acoustic and mechanical system, the conference system is designed with the latest digital technology in accordance with IEC914 and ISO standards. It's a highly effective providing turnkey solution with natural, feedback–free audio performance whatever the environment.

LC–800M Main Unit

LC–800C
CHAIRMAN UNIT

LC–800D
DELEGATE UNIT

▶ Main unit control up to 150pcs and power up to 50pcs microphones

▶ Equipment with best noise cancellation technology

▶ Main unit equipped with earphone monitoring output

▶ Chairman with Priority to mute delegates

▶ Build in loudspeaker in both chairman and delegates units

▶ Headphone jack with volume control in both chairman and Delegate unit to listen to the conference

▶ Active microphone mode from 1 to 4

▶ Digital acoustic feedback suppression

▶ 8 Pin cable provides secure and reliable communication

▶ Versatile for small to medium conference application

LC-300 Conference Systems Discussion version

▶ **Discriptions:**

The innovative design makes this LC 300 series more than just another conference system. With ECM capsule, intelligent automatic mixing technology, integrated acoustic and mechanical system, the conference system is designed with the latest digital technology in accordance with IEC914 and ISO standards. It's a highly effective providing turnkey solution with natural, feedback–free audio performance whatever the environment.

LC–300M System Main Unit

LC–300C
CHAIRMAN UNIT

LC–300D
DELEGATE UNIT

▶ Main unit control up to 250pcs and power up to 60pcs microphones

▶ Equipment with best noise cancellation technology

▶ PC program control and manual control

▶ Chairman with Priority to mute delegates

▶ 3 groups of audio output

▶ Active microphone mode from 1 to 9

▶ Digital acoustic feedback suppression

▶ Choice of 4 conference modes set with PC
1, Open or auto; 2, FIFO or overrided;
3, Chairman only; 4, Limite

▶ 8 Pin cable provides secure and reliable communication

▶ Versatile for small to medium conference application

LC-700 Conference Systems, discussion, voting and camera tracing

Discriptions:

The innovative design makes this LC 700 series more than just another conference system. With ECM capsule, intelligent automatic mixing technology, integrated acoustic and mechanical system, the conference system is designed with the latest digital technology in accordance with IEC914 and ISO standards. It's a highly effective providing turnkey solution with natural, feedback-free audio performance whatever the environment.

LC-700M Main Unit

LC-700C
CHAIRMAN UNIT

LC-700D
DELEGATE UNIT

▶ Main unit control up to 250pcs and power up to 60pcs microphones

▶ Unidirectional capsule with best noise cancellation technology

▶ Main unit equipped with monitoring speaker

▶ Chairman with Priority to mute delegates

▶ Build in loudspeaker in both chairman and delegates units

▶ Headphone jack with volume control in both chairman and Delegate unit to listen to the conference

▶ Flexible of chairman and delegate number in the system

▶ Digital acoustic feedback suppression

▶ 8 Pin cable provides secure and reliable communication

▶ Versatile for small to medium conference application

LC-900 Conference System with discusssion and camera tracing

LC-900C Chairman Unit

LC-900D Delegate Unit

Discriptions:

This LC-900 discussion and camera tracing conference system is designed with high fidelity capsule to have the best clarity to reflect the original sound yet cancelling all the feedbacks. It pro-cesses the audio signals with the right level of amplification and allocation to suit any medium to small events. Chairman unit has the priority to mute the delegates with pre-settings. It is a highly effective providing turnkey solution with natural, feedback-free audio performance whatever the environment.

Features:

▶ Main unit control up to 250pcs and power up to 100pcs microphones

▶ Automatic camera tracing function

▶ Up to 12 microphone working simoutaniously

▶ Chairman with Priority to mute delegates

▶ Can set password for the main unit

▶ With 6.3mm monitoring earphone input for main unit

▶ OLED display for the microphones

LC-900M Main Control Unit

System Discriptions:

This IR interpretation system is designed for wireless distribution of audio signals for international conference where multi language is required. During the conference, the interpreters simultaneously translate the speaker's language as required, and the participants can select the language according to their choices, and listen via the earphones. the system provides language channels ranging from 4, 8,12, 16 and up to 32. Thus it is suitable for medium to large size conference applications.

IR-32M Digital Main Unit

▶ Versatile Digital Wireless IR system
▶ It confirms to IEC61603 part 7 standards
▶ Automatic level control function (ALC).
▶ 2−8Mhz signal prevent any disturb under daylight lamp
▶ Easy to operate and save in project cost
▶ With the most advanced technology
▶ Elegant configuration in accordance to ergonomics
▶ High security levels prevent external interference

IR-32R Radiator
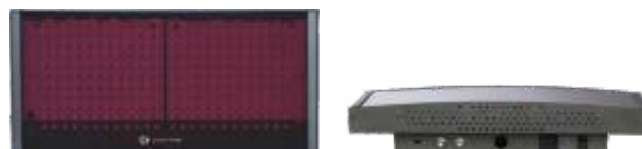
▶ Versatile Digital Wireless IR system
▶ It confirms to IEC61603 part 7 standards
▶ Automatic level control function (ALC).
▶ 2−8Mhz signal prevent any disturb under daylight lamp
▶ Easy to operate and save in project cost
▶ With the most advanced technology
▶ Elegant configuration in accordance to ergonomics
▶ High security levels prevent external interference

IR-32I Interpreter Unit

▶ It supports 4,8,12,16 and 32 channel interpretation
▶ Level control of voice to prevent feedback
▶ Cough cancellation function
▶ Equipped with SLOW key to hint the speaker if speak too fast
▶ RELAY key to listen to other channel for translated language,If the interpreter does not understand the original language
▶ The LCD can display both input and output channels

IR-32D Delegate Receiver Unit

▶ Small, elegant and pocket size
▶ Support up to 32 different languages
▶ Power on/off switch and volume control
▶ Powered by rechargeable batteries and charging box
▶ LED screen displays with battery and status

Accessaries

▶ IR−32TB signal booster if IR radiator cable to interpreter unit or interpreter unit to interpreter unit is more than 10 meters.
▶ IR−32C Charging box for 24pcs delegate receiver unit
▶ IR−32BOOT Interpreter's booth at the size of 1.6*1.6*2M

IR−32BOOT
Interpreter's Booth

IR−32C
Charging Box

IR−32TB
Booster

System Discriptions:

This IR interpretation system is designed for wireless distribution of audio signals for international conference where multi language is required. During the conference, the interpreters simultaneously translate the speaker's language as required, and the participants can select the language according to their choices, and listen via the earphones. the system provides language channels of 6 for real time interpretation. Thus it is suitable for medium to large size conference applications.

IR-6M Digital Main Unit

▶ Versatile Digital Wireless IR system
▶ It confirms to IEC61603 part 7 standards
▶ Automatic level control function (ALC).
▶ 2-8Mhz signal prevent any disturb under daylight lamp
▶ Easy to operate and save in project cost
▶ With the most advanced technology
▶ Elegant configuration in accordance to ergonomics
▶ High security levels prevent external interference

IR-6R Radiator
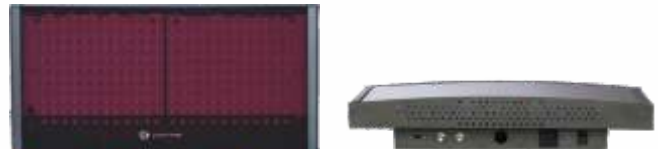
▶ Versatile Digital Wireless IR system
▶ It confirms to IEC61603 part 7 standards
▶ Automatic level control function (ALC).
▶ 2-8Mhz signal prevent any disturb under daylight lamp
▶ Easy to operate and save in project cost
▶ With the most advanced technology
▶ Elegant configuration in accordance to ergonomics
▶ High security levels prevent external interference

IR-6I Interpreter Unit

▶ It supports 6 channel interpretation
▶ Level control of voice to prevent feedback
▶ Cough cancellation function
▶ Equipped with SLOW key to hint the speaker if speak too fast
▶ RELAY key to listen to other channel for translated language,If the interpreter does not understand the original language
▶ The LCD can display both input and output channels

IR-6D Delegate Receiver Unit

▶ Small, elegant and pocket size
▶ Support up to 6 different languages
▶ Power on/off switch and volume control
▶ Powered by rechargeable batteries and charging box
▶ LED screen displays with battery and status

Accessaries

▶ IR-6C Charging box for 24pcs delegate receiver unit

IR-32C
Charging Box

System Discriptions:

This wireless tour guide system applies the stable and reliable wireless technology to analyze the difference available fr-equencies and picks the most suitable one with least disturbance for transition of audio signal. It digitizes the audio signal to process and modulation before transmit. Receiver will scan the signal via identification verifying, read the transmitter frequency, process and signal and convert to the analog original sound. It is a economic yet power full system suitable for various of applications.

GD-100T VHF transmitter

▶ Stylish design
▶ Digital, DSP technology, and with radio function
▶ Totally 44 sets can be used in the same place

GD-101R VHF Receiver

▶ Stylish design and small in size
▶ RFID software, radio frequency identification to prevent interface
▶ Unlimited pcs using at the same place
▶ Standard grey, optional in Red and Blue color

GD-100TU UHF transmitter

▶ Stylish design
▶ Digital, DSP technology, and with radio function
▶ Totally 80 sets can be used in the same place

GD-101RU UHF Receiver

▶ Stylish design and small in size
▶ RFID software, radio frequency identification to prevent interface
▶ Unlimited pcs using at the same place
▶ Standard Yellow, optional in Red and Blue color

GD-102C
Charging box for 30 units of wireless IR receiver

GD-103M(Standar)
Head worn Microphone for transmitter

GD-104M(Standar)
Clip Type Microphone for transmitter

GD-Ear(Standar)
Single earphone for receiver

GD-EarPro(Optional)
Conduction earphone for receiver

LUCKY TONE

System Specifications:

VHF RECEIVER GD-101R

Frequency Ranges	VHF216-230MHz
Frequency Channels	44
Adjustable ID	99
Stabalized Tye	PLL
Frequency Deviation	±75K
S/N Ratio	55db A weighted
Receiving Sensitivity	2μV
Frequency Response	100-15Khz
Display	LED 17*5
Operation range	30 to 80 meters
Power Supply	NiMH AA 1.2V*2
Battery Operation time	10 hours
Antenna	Headphone cable
Headphone output	5 mV
T.H.D	<0.5%
Size and Weight	105*53*22mm/55g without Bat
Temperature Range	-10~50 degree

UHF RECEIVER GD-101RU

Frequency Ranges	UHF740-820MHz
Frequency Channels	80
Adjustable ID	80
Stabalized Tye	PLL
Frequency Deviation	±75K
S/N Ratio	60db A weighted
Receiving Sensitivity	-100dBμ
Frequency Response	100-15Khz
Display	OLED
Operation range	30 to 80 meters
Power Supply	Li-Po 3.7V 800mA
Battery Operation time	10 hours
Antenna	Microstrip
Headphone output	5 mV
T.H.D	<0.5%
Size and Weight	72*43*21mm/40g with Bat
Temperature Range	-10~60 degree

VHF TRANSMITTER GD-100T

Frequency Range	VHF216-230MHz
Channels	44
Adjustable ID	99
Stabalized Type	PLL
Working Type	F3E
Frequency Deviation	±75
Transmitting Rated Power	Less than or equals to 10mV
Subharmonic	Main wave less than 40 dB
Capsule Type	Condenser
Directivity	Ultra Cardioid
Input Pressure	Less than or equals to 130dB
Frequency Response	100Hz to 15Khz
Display	OLED 17*5
Operation range	30 to 80 meters
Power Supply	NiMH AA 1.2V*2
Battery Operation time	10-15 hours
Antenna	Ground electrode
Headphone output	5 mV
T.H.D	<0.5%
Size and Weight	85*65*40mm/155g without Bat
Temperature Range	-10~50 degree

UHF TRANSMITTER GD-100TU

Frequency Range	UHF740-820MHz
Channels	80
Adjustable ID	80
Stabalized Type	PLL
Working Type	F3E
Frequency Deviation	±75
Transmitting Rated Power	Less than or equals to 10mV
Subharmonic	Main wave less than 45 dB
Capsule Type	Condenser
Directivity	Ultra Cardioid
Input Pressure	Less than or equals to 130dB
Frequency Response	100Hz to 15Khz
Display	OLED 17*5
Operation range	30 to 80 meters
Power Supply	NiMH AA 1.2V*2
Battery Operation time	10-15 hours
Antenna	Whip Microstrip
Headphone output	5 mV
T.H.D	<0.5%
Size and Weight	85*65*40mm/155g without Bat
Temperature Range	-10~50 degree

GD-101R VHF Receiver

GD-101RU UHF Receiver

Discriptions:

▶ Professional elegant appearance design. 19 inch, metric or ETST standard

▶ Modular design, easy to assemble, providing a quick solution to the assembly and combination between multiple server racks

▶ Convenient access from different sides; Cable entries at the top, bottom, front or back is simple for cable routing and management

▶ Built in grounding kit for equipment protection

▶ High-intensity cold-rolled steel plates framework and 5mm tempered glass

▶ Exterior dimension meets IEC297-2 standard, contamination free

Cable management post inside

Dismountable sides

High speed vented fans

Cabinets stands

Well designed front door lock

Optional keyboard cradle

Wall mount or Stand Cabinet

NO	Model	Width* Depth *Height	Rack Space
1	Rk06	550mm*600mm*350mm	6U
2	Rk09	550mm*600mm*490mm	9U
3	Rk12	550mm*600mm*630mm	12U
4	Rk16	550mm*600mm*720mm	16U

Stand Cabinet with wheel

NO	Model	Width* Depth *Height	Rack Space
1	Rk24	600mm*600mm*1245mm	24U
2	Rk28	600mm*600mm*1445mm	28U
3	Rk37	600mm*600mm*1845mm	37U
4	Rk42	600mm*600mm*2045mm	42U

LUCKY TONE

Blanking Panels for 19" Rack

Model: AU-100
1.5mm thick Steel 1U Panel

Model: AU-200
1.5mm thick Steel 2 U Panel

Ceramic Terminal

Model: ACR-3

Features:

▶ Good to compliance with EN 54, BS 5839, EN 60849
▶ Comes with 3A, 250V, 130 degree thermal fuse
▶ Fast installation with loudspeakers
▶ High temperature resistant

Face

Side

Transformers

Model: ATR-8

100V /70V Matching transformer at 8 ohm
Power tapping: 2.5W/5W/8W

Model: ATR-6

100V /70V Matching transformer at 8 ohm
Power tapping: 1.5W/3W/6W

Conference Amplification Series

Discriptions:

This compact version Pro-series stereo power amplifiers designed to provide from 2X320W up to 2X720W respectively at high efficiency are well recognized by various users. A massive transformer based power supply and absolute reliability, even in the 2 ohm mode. The output stages are fully protected against over-temperature, short circuit, RFI and equipped with soft start circuit and fan cooling. The activity of a protective circuit, signal and limiter is shown for each channel by LED's.

They are suitable for different applications, such as disco club, KTV, conference applications, and more.

Features:

▶ Compact in size yet powerful design for small to medium projects
▶ SMT Technology to ensure the most stable quality
▶ Clear and purified sound effects

SPECIFICATIONS	ED-232	ED-252	ED-272
RMS Power @ 8 Ω	2*320W	2*520W	2*720W
RMS Power @ 4 Ω	2*480W	2*780W	2*1080W
RMS Power @ 2 Ω	2*570W	2*930W	2*1290W
RMS Power @8 Ω Bridge	1*640W	1*1040W	1*1440W
RMS Power @4 Ω Bridge	1*960W	1*1560W	1*2160W
RMS Power @2 Ω Bridge	1*1140W	1*1860W	1*2580W
Frequency Response	20 – 20,000 Hz, +/– 0.25dB		
THD	Less than 0.05% at 1kHz (1/3 Rated Power)		
S/N Ratio	Better than 105dB		
Input Impedance	20k ohm, balanced		
Connectors	Inputs: 2 Female XLR and 2 Male XLR Outputs: 3PCS SPEAKON for 2 channel and bridge		
Damping Factor	Bigger than 350	Bigger than 400	Bigger than 500
Power Requirments	220–240V AC, 50/60 Hz		
Carton Dimensions	215(H) x 623(W) x 602(D) mm		
Built-in Dimensions	2 U rack 19 inch		
Dimensions	88(H) x 482(W) x 424(D) mm		
Net Weight	12.4kg	14.4kg	15.8kg
Gross Weight	14.7kg	16.7kg	18.3kg
Finish	Panel: steel plate, blue Case: steel plate, black		

SPECIFICATIONS	EM-340	EM-380	EM-3130
RMS Power @ 8 Ω	2*400W	2*800W	2*1300W
RMS Power @ 4 Ω	2*620W	2*1280W	2*2080W
RMS Power @ 2 Ω	2*760W	2*1530W	2*2490W
RMS Power @8 Ω Bridge	1*1100W	1*2040W	1*2600W
Frequency Response	20 – 20,000 Hz, +/– 0.25dB		
THD	Less than 0.05% at 1280W		
S/N Ratio	Better than 105dB		
Input Impedance	20k ohm, balanced; 10k ohm unbalanced		
Input Gains	20dB, 23dB, 26dB, 29dB, 32dB, 35dB, 38dB and 41dB 8 types selectable		
Damping Factor	Bigger than 350: 1Khz 8ohm		
Power Requirments	220–240V AC, 50/60 Hz		
Carton Dimensions	140(H) x 550(W) x 570(D) mm		
Built-in Dimensions	2 U rack 19 inch		
Gross Weight	14.7kg	16.2kg	17.3kg
Finish	Panel: steel plate, black Case: steel plate, black		

Stage Amplification Series

Discriptions:

These professional Pro-series stereo power amplifiers, provide from 2X400W up to 2X1300W respectively at high efficiency are well recognized by various users. A massive transformer based power supply and absolute reliability, even in the 2 ohm mode. The output stages are fully protected against over-temperature, short circuit, RFI and equipped with soft start circuit and fan cooling. The activity of a protective circuit, signal and limiter is shown for each channel by LED's.

They are suitable for different applications, such as disco club, KTV, stage applications, and more.

Features:

▶ Compact in size yet powerful design for small to medium projects
▶ High efficient heat ventilation design
▶ With Protect, signal, clip, bridge, and power LED indicator

DUAL CHANNEL CLASS D AMPLIFIER

MODEL NUMBER: D-2150/2350/2550/2650/2750/2850

Product features:

These professional D series amplifiers, provides from 2X150W up to 2X850W respectively at high efficiency are well recognized by various users. It is compact 1U size and surprisingly lightweight, making them easy to handle and install. With strong I-Power switch power supply maximize performance, a new generation of environmentally friendly products. It is ideal for meeting rooms, function rooms,KTV entertainment, multi media rooms, home theater installation and more.
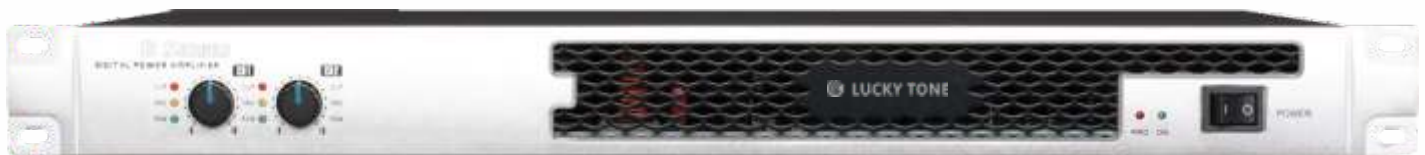
| MODEL		D-2150	D-2350	D-2550	D-2650	D-2750	D-2850
In Stereo mode	8 Ohm	150W	350W	550W	650W	750W	850W
	4 Ohm	350W	550W	850W	1050W	1200W	1350W
	2 Ohm	450W	850W	1150W	1350W	1500W	1600W
SNR		≥95db					
Frequency Response		20Hz-20KHz, ±0.5db					
THD		≤0.3%,1KHz,1/3 Rate Power,8Ω					
Input Impendence		10K ,BALANCE/20K Ω,UNBALANCE					

MULTI CHANNEL CLASS D AMPLIFIER

MODEL NUMBER: D-4150/4250/4350/8100/8200

Product features:

These professional D series amplifiers, provides from 4X150W up to 8X200W respectively at high efficiency are well recognized by various users. It is compact 1U size and surprisingly lightweight, making them easy to handle and install. With strong I-Power switch power supply maximize performance, a new generation of environmentally friendly products. It is ideal for meeting rooms, function rooms,KTV entertainment, multi media rooms, home theater installation and more.
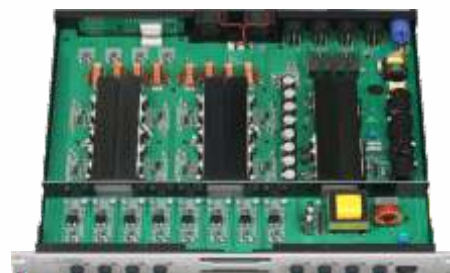
MODEL		D-4150	D-4250	D-4350	D-8100	D-8200
Different mode	8 Ohm	150W*4	250W*4	350W*4	100W*8	200W*8
	4 Ohm	250W*4	400W*4	550W*4	150W*4	350W*4
	Bridged	500W*2	800W*2	1100W*2	350W*4	700W*4
SNR		≥95db				
Frequency Response		20Hz-20KHz, ±0.5db				
THD		≤0.3%,1KHz,1/3 Rate Power,8Ω				
Input Impendence		10K ,BALANCE/20K Ω,UNBALANCE				

DUAL CHANNEL ANALOG AMPLIFIER

MODEL NUMBER: E-2100/2200

Product features:

These professional E series amplifiers, provides from 2X100W up to 2X200W respectively at high efficiency are well recognized by various users. It is compact 1U size and surprisingly lightweight, making them easy to handle and install. With strong I-Power switch power supply maximize performance, a new generation of environmentally friendly products. It is ideal for meeting rooms, function rooms,KTV entertainment, multi media rooms, home theater installation and more.

MODEL		E-2100	E-2200
Different mode	8 Ohm	100W*2	200W*2
	4 Ohm	150W*2	350W*2
	2 Ohm	180W*2	380W*2
SNR			
Frequency Response		20Hz-20KHz, ±0.5db	
THD		≤0.3%,1KHz,1/3 Rate Power,8Ω	
Input Impendence		10K ,BALANCE/20K Ω,UNBALANCE	

LM Series Digital Mixers 2 Groups

LM-2160

LM-2240

Features:

▶ Left and right channel /M channel outputs
▶ With 4 aux channels, and 3–4 channel with slides and back switch
▶ With 2 stereo inputs, each channel has microphone and stereo parallel inputs.
▶ with DSP processor built–in
▶ 4 band EQ, 2 band reference EQ, 100Hz high pass filter, 1Khz pick noise generator.

SPECIFICATIONS	LM-2160	LM-2240
Input	16 Channels 2group	24 Channels 2group
Internal phantom power	+48V	
Frequency Response	20–50Khz	
T.H.D	<0. 003%	
Input max Mic	+34dBu	
Input max others	+34dBu	
Output max XLR	+26dBu	
Input max others	+20dBu	
Crosstalk @ 1Khz	>90dB closed	
Mail level 12 band	−30 to +16 dB	
Channel level 4 band	+12,0,+6 +16 dB	
Output noise	<−90dBu(−100dB S/N)	
LR Echo noise	<−86dBu(−90dB S/N)	
Group Echo noise	<−86dBu(−100dB S/N)	
Aux Echo noise	<−92dBu(−100dB S/N)	
Power Requirment	100–240V AC, 50/60 Hz	
Product size HWD (mm)	160 x 529 x 554	160 x 529 x 772

Features:

▶ Left and right channel /M channel outputs
▶ With 6 aux channels, and each channel with slides and back switch
▶ With 2 stereo inputs, each channel has microphone and stereo parallel inputs.
▶ with DSP processor built–in
▶ 4 band EQ, 2 band reference EQ, 100Hz high pass filter, 1Khz pick noise generator.

LM Series Digital Mixers 4 Groups

LM-4240

LM-4320

SPECIFICATIONS	LM-4240	LM-4320
Input	24 Channels 4group	32 Channels 4group
Internal phantom power	+48V	
Frequency Response	20–50Khz	
T.H.D	<0. 003%	
Input max Mic	+34dBu	
Input max others	+34dBu	
Output max XLR	+26dBu	
Input max others	+20dBu	
Crosstalk @ 1Khz	>90dB closed	
Mail level 12 band	−30 to +16 dB	
Channel level 4 band	+12,0,+6 +16 dB	
Output noise	<−96dBu(−100dB S/N)	
LR Echo noise	<−86dBu(−90dB S/N)	
Group Echo noise	<−86dBu(−100dB S/N)	
Aux Echo noise	<−92dBu(−100dB S/N)	
Power Requirment	100–240V AC, 50/60 Hz	
Product size HWD (mm)	191 x 602 x 792	191 x 602 x 1008

MIX Series Digital Mixers

Specifications:

PRODUCT MODEL	VM-8-2D	VM-12-2D
Input	8channels	12channels
AUX output/return	1&1	1&1
Master output EQ	7 band graphic	7 band graphic
Channle EQ	4 band	4 band
Frequency response	20Hz–20KHz	20Hz–20KHz
SNR	＞85dB	＞85dB
Total Harmonic Distortion	＜0. 02%	＜0. 02%
Input channel level	Mic–60dBm, Line–20dBm	Mic–60dBm, Line–20dBm
Line output	4V MAX	4V MAX
Input port	XLR/TRS/RCA	XLR/TRS/RCA
Output port	XLR/TRS	XLR/TRS
Power supply	110V/220V AC50?60Hz	110V/220V AC50?60Hz
Size L×W×H（mm）	540×500×130/70	650×500×130/70
Net weight	7.8Kg	11.2kg

Features:

▶ MAX 12 channel input
▶ 2group bass line for MAIN channel, one bassline for AUX line
▶ 2 group of 10 band power level indicator with 2 colour
▶ Output with 7 band stereo EQ
▶ Professional built–in Analog effects processor

MEX Series Digital Mixers

Specifications:

SPECIFICATIONS	MEX-8	MEX-10	MEX-12
Input	8 Channels	10 Channels	12 Channels
Aux output/return	2&2		
Frequency Response	20–20Khz		
T.H.D	＜0. 005%		
Input max Mic	+22dBu		
Input max others	+20dBu		
Output max XLR	+28dBu		
Input max others	+22dBu		
Crosstalk @ 1Khz	＞89dB closed		
Sampling rate	48KHz		
Processor	24 digit sigma–delta 64/128 sampling rate		
Converting	16–bit		
Power Requirment	100–240V AC, 50/60 Hz		
Power consumption	40W		
USB	Stereo sound input and output		
Product size HWD (mm)	112 x 400 x 321	116 x 418 x 378	112 x 400 x 422

Features:

▶ Studio grade processor with 16 preset program
▶ With 150 type of musical instrument effects and super low delay driver
▶ With built–in stereo USB connector to connect with computor
▶ Output with 7 band stereo EQ
▶ Professional built–in Analog effects processor

LM Plus Series Digital Mixers

Specifications:

SPECIFICATIONS	LM-2160+	LM-2240+	LM-4320+
Input	16 Channels	24 Channels	32 Channels
Phantom Power	48V		
Frequency Response	20-20Khz		
T.H.D	<0. 1%		
Input Mic	2.4k ohm		
Input Line	11k ohm		
Stereo Input	100k ohm		
Main output	75 ohm		
Group impedance	75 ohm		
Aux output	75 ohm		
EQ Mono Input	High Frequency: 12kHz, +/- 15 dB Mid Frequency: 250Hz-3K, +/- 15 dB Low Frequency: 80Hz, +/- 15 dB		
Outputs	Blanced XLR Outputs		
Power Requirment	100-240V AC, 50/60 Hz		
Power consumption	40W		
EQ	9 Band stereo equalizer		

Features:

▶ 16, 24 and 32 channel mixer with nice design

▶ Dual stereo channels for total or 4 independent inputs

▶ 4 Aux (2 pre-fade foldback, 1 post fade aux 1 post fade effects)

▶ 99DSP effects

▶ 9 band stereo equalizer

▶ Mp3 player with blue tooth, support SD card

4 in 4 out Dante Transmitter Dante 4

Discriptions:

Convert up to 4 channels of Line or Mic with phantom power to Dante signal and transmit to the Ethernet. And vise versa, convert Dante to 4 local analog output. It is easy to setup and design without any special training. Its IP address is auto assigned by DHCP router and communicate with other Dante device in Ethernet. Tailored for various applications which require high quality audio signal without delay, Dante 4 is your best choice!

Features:

▶ Simple link in Ethernet and remotely controlled

▶ Each unit is with independent IP, can auto set.

▶ Sampling Rate is adjustable

▶ With 4 channel of Mic or Line inputs and output, gain is adjustable

▶ Network PoE supply for the unit

▶ Standard cat 5 cable for connection

SPECIFICATIONS	Dante-4
Inputs	Microphone: 20K ohms
	Line in: 68 ohms
Output	100 ohms
Phamton Power	48VDC
S/N Ratio	68dB at 1Khz at 1Pa
Connetors	3 Pin phoenix
Power Requirements	PoE IEEE802.3af
Frequency Response	20–20k Hz

LUCKY TONE

DSP Digital Audio processor

MODEL NUMBER: DSP-2040 2 IN 4 Out Unit

MODEL NUMBER: DSP-3060 3 IN 6 Out Unit

MODEL NUMBER: DSP-4080 4 IN 8 Out Unit

Features:

▶ With 24bit/192KHz high performance sampling D/A, A/D convertor for input and output

▶ With 32/64bit high speed DSP for high sound quality

▶ Made of Hi-Fi components, well-designed and tuning

▶ User-friendly and easy to set/control through matrix route mode
  gain is adjustable

▶ With USB port, RJ45 and RS485 connector enable on-line and remote control through Wi-Fi

▶ Switching power supply for higher stability

MODEL	DSP-2040	DSP-3060	DSP-4080
Input/Output Channels	2 in 4 out (XLR Balanced)	3 in 6 out (XLR Balanced)	4 in 8 out (XLR Balanced)
Input/Output Impedance	20k Ohm/ 100 Ohm	20k Ohm/ 100 Ohm	20k Ohm/ 100 Ohm
Gain Control	-12 dB to +12 dB	-40 dB to +12 dB	-40 dB to +12 dB
Input Indicator	5 LED, -20dBu to +10 dBu,clip	5 LED, -20dBu to +10 dBu,clip	5 LED, -20dBu to +10 dBu,clip
Output Indicator	5 LED, -20 dBu to 0dBu, Clip and Limit	5 LED, -20 dBu to 0dBu, Clip and Limit	5 LED, -20 dBu to 0dBu, Clip and Limit
Distortion	≤0.02% @1KHz,0dB	≤0.02% @1KHz,0dB	≤0.02% @1KHz,0dB
S/N Ratio	>100dB	>100dB	>100dB
Frequency Response	20Hz-20kHz ±0.5dB	20Hz-20kHz ±0.5dB	20Hz-20kHz ±0.5dB
Limiter	-20dB-+20dB	-20dB-+20dB	-20dB-+20dB
Input Delay	0-20.16ms	0-1000ms	0-1000ms
Output Delay	0-20.16ms	0-1000ms	0-1000ms
Power supply	85-250V/50-60Hz	85-250V/50-60Hz	85-250V/50-60Hz
Product Size	482 x 182 x 44mm	482 x 182 x 44mm	482 x 182 x 44mm
Net Weight	2.5kg	2.5kg	2.5kg

LA-208

▶ Neodymium woofer as a true ultra-low frequency system
▶ CCTTM technology to have 250Hz
▶ 2 Hydra plane wave acoustic generator systhesizes to 120 *10 degree wave guide
▶ 2 Frequency divide system

LA-210

▶ Neodymium woofer as a true ultra-low frequency system
▶ CCTTM technology to have 250Hz
▶ 2 Hydra plane wave acoustic generator systhesizes to 100 *10 degree wave guide
▶ 2 Frequency divide system

LA-208/210

LA-200SUB

Ideal set recommends 4 lines + 1subwoofer combination

MODEL	LA-208	LA-210
LF Power	200W continuous,800W peak 90-4000Hz, 16 ohm	300W continuous,900W peak 60-2.6kHz, 16 ohm
HF Power	50W continuous,200W peak 90-4000Hz, 16 ohm	50W continuous,200W peak 2K-18.5kHz, 16 ohm
SPL(1W/1M)	93dB Single box	95dB Single box
Max SPL@ 10M	129dB 4 Box Array	130dB 4 Box Array
Freq. Response	70Hz-18.5KHz @ -3dB; 65Hz-18KHz @ -10dB	65Hz-18.5KHz @ -3dB; 60Hz-18KHz @ -10dB
Dispersion Angel	120 degree	120 degree
Product Size/Weight	800x400x261mm/19kg	800x500x312mm/24kg
Connectors	2xNL4 Speakon	2xNL4 Speakon
Enclosure Material	Poly Wood 18mm	Poly Wood 18mm
Components	8"* 2 LF, 1.7" compressed HF	10"* 2 LF, 1.7" compressed HF

MODEL	With LA-200SUB	LA-200SUB
LF Power		1000W continuous,3000W peak 30-100Hz, 8 ohm
HF Power		NA
SPL(1W/1M)		100dB Single box
Max SPL@ 10M		130dB 4 Box Array
Freq. Response		40Hz-400Hz @ -3dB; 30Hz-400Hz @ -10dB
Dispersion Angel		0 degree
Product Size/Weight		800x880x500mm/60kg
Connectors		2xNL4 Speakon
Enclosure Material		Poly Wood 18mm
Components		15"* 2 LF

LA-205

▶ Neodymium woofer as a true ultra-low frequency system

▶ CCTTM technology to have 250Hz coverage

▶ 2 Hydra plane wave acoustic generator sys-thesizes to 90*10 degree waveguide

LA-205

LA-205SUB

LA-212

▶ With precise installation kit for fast, reliable and economic installation to the right angel

▶ Compact and light weighted

▶ 2 Hydra plane wave acoustic generator

▶ 3 Frequency divide system

LA-212

LA-212SUB

Ideal set recommends 4 lines + 1subwoofer combination

Ideal set recommends 2 lines + 1subwoofer combination

MODEL	LA-205	LA-212
LF Power	150W continuous,600W peak 90-4000Hz, 16 ohm	450W continuous,1500W peak 100-500Hz, 8 ohm
HF Power	50W continuous,200W peak 2k-18.5kHz, 16 ohm	200W continuous,600W peak 1.6k-8kHz, 8 ohm, mid at 300W/900W
SPL(1W/1M)	93dB Single box	95/99/105dB Single box for low/mid/high
Max SPL@ 10M	129dB 4 Box Array	129dB 4 Box Array
Freq. Response	90Hz-18.5KHz @ -3dB; 80Hz-18KHz @ -10dB	70Hz-17.5KHz @ -3dB; 60Hz-18KHz @ -10dB
Dispersion Angel	120 degree	120 degree
Product Size/Weight	502x407x155mm/8kg	1150x560x365mm/52kg
Connectors	2xNL4 Speakon	2xNL8 Speakon
Enclosure Material	Poly Wood 18mm	Poly Wood 18mm
Components	5"* 2 LF, 1.7" compressed HF	12"* 1 LF, 6"*2 MF, and 3"*2 compressed HF

MODEL	LA-205SUB	LA-212SUB
LF Power	500W continuous,1500W peak 30-100Hz, 8 ohm	1000W continuous,3000W peak 60-100Hz, 8 ohm
HF Power	NA	NA
SPL(1W/1M)	97dB Single box	100dB Single box
Max SPL@ 10M	123dB 4 Box Array	130dB 2 Box Array
Freq. Response	40Hz-400Hz @ -3dB; 30Hz-400Hz @ -10dB	40Hz-400Hz @ -3dB; 30Hz-400Hz @ -10dB
Dispersion Angel	0 degree	0 degree
Product Size/Weight	502x600x450mm/30kg	1150x560x435mm/61.5kg
Connectors	2xNL4 Speakon	2xNL8 Speakon
Enclosure Material	Poly Wood 18mm	Poly Wood 18mm
Components	15"* 1 LF	15"* 2 LF

Professional Speakers

SF-08

▶ 8 inch wooden speaker
▶ High power, reliable and performance
▶ Black painted finish

SF-10

▶ 10 inch wooden speaker
▶ High power, reliable and performance
▶ Black painted finish

SF-12

▶ 12 inch wooden speaker
▶ High power, reliable and performance
▶ Black painted finish

MODEL	SF-08	SF-10	SF-12
Rated Power	250W at 8 ohm	300W at 8 ohm	380W at 8 ohm
Peak Power	500W at 8 ohm	600W at 8 ohm	750W at 8 ohm
SPL(1W/1M)	90dB	95dB	95dB
Max SPL@ 1M	117dB	123dB	123dB
Freq. Response	65Hz–18KHz	60Hz–18KHz	50Hz–18KHz
Dispersion Angel	90Hx50V degree	90Hx50V degree	90Hx50V degree
Product Size	255x425x275mm	355x505x355mm	380x585x400mm
Connectors	2xNL4 Speakon	2xNL4 Speakon	2xNL4 Speakon
Enclosure Material	MDF Wood	MDF Wood	MDF Wood

SF-15

▶ 15 inch wooden speaker
▶ High power, reliable and performance
▶ Black painted finish

SM-115B

▶ 15 SUB Woofer wooden
▶ High power, reliable and performance
▶ Black painted finish

SL-12

▶ Iron Outdoor speaker with 12inch bass and 1.75 inch treble
▶ Strong and durable for outdoor use

MODEL	SF-15	SM-115B	SL-12
Rated Power	450W at 8 ohm	750W at 8 ohm	300W at 8 ohm
Peak Power	900W at 8 ohm	1500W at 8 ohm	600W at 8 ohm
SPL(1W/1M)	96dB	92dB	98dB
Max SPL@ 1M	125dB	123dB	126dB
Freq. Response	40Hz–20KHz	40Hz–220Hz	250Hz–19KHz
Dispersion Angel	80Hx50V degree	NA	NA
Product Size	455x695x475mm	470x695x500mm	520x800x520mm
Connectors	2xNL4 Speakon	2xNL4 Speakon	Iron
Enclosure Material	MDF Wood	MDF Wood	Metal Construction

MF-215

▶ Dual 15 inch wooden speaker

▶ High power, reliable and performance

▶ Suitable for tour sound

SUB-218

▶ Dual 18 inch subwoofer speaker

▶ High power, reliable and performance

▶ Black painted finish

CF-8

▶ 8 inch wooden speaker

▶ High power, reliable and performance

▶ Black painted finish

MODEL	MF-215	SUB-218	CF-8
Rated Power	400W at 8 ohm	1500W at 4 ohm	80W at 8 ohm
Peak Power	800W at 8 ohm	3000W at 4 ohm	160W at 8 ohm
SPL(1W/1M)	101dB	100dB	92dB
Max SPL@ 1M	129dB	130dB	110dB
Freq. Response	40Hz–19KHz	40Hz–400Hz	90Hz–18.5KHz
Dispersion Angel	80Hx50V degree	NA	60Hx60V degree
Product Size/Weight	560x490x1070mm/53kg	1056x637x680mm	266x370x215mm
Connectors	2xNL4 Speakon	2xNL4 Speakon	Clip Type
Enclosure Material	18MM poly Wood	18mm poly Wood	Wood
Components	L 15″,dia190M,3″VC; H44,dia 120M, 1.7″VC	18″ * 2	LF 8″,HF 3″

CF-205

▶ With 2pcs 5 inch woofer and 1pc
  3 inch driver for treble

▶ Black painted finish

CF-405

▶ With 4pcs 5 inch Woofer and 2pcs
  3 inch treble

▶ Black painted finish

CF-6

▶ With 6 inch bass and 1 inch compressed
  driver for treble

▶ Strong and durable

MODEL	CF-205	CF-405	CF-6
Rated Power	50W at 16 ohm	100W at 8 ohm	80W at 8 ohm
Peak Power	100W at 16 ohm	200W at 8 ohm	160W at 8 ohm
SPL(1W/1M)	90dB	92dB	91dB
Max SPL@ 1M	107dB	112dB	109dB
Freq. Response	110Hz–18.5KHz	110Hz–18.5KHz	75Hz–20KHz
Dispersion Angel	60Hx60V degree	60Hx60V degree	60Hx40V degree
Product Size	297x330x180mm	352x420x220mm	270x360x210mm
Connectors	Clip type	Clip Type	Clip Type
Enclosure Material	Wood	Wood	Wood

Active Speakers

AT-Series

▶ Neodymium compressed treble driver with 12 inch bass to produce high quality sound.
▶ With built–in DSP processor and DH series of
▶ amplifier with preset specifications.

▶ With 18mm thick polywood and M8 fixing, suitable for various installation
▶ Fine tuned internal crossover
▶ Suitable for Disco, pub, tour sound, stadium and other applications.

I am active!

MODEL	AT-12	AT-15
Rated Power	350W	400W
Peak Power	700W	800W
SPL(1W/1M)	98dB	99dB
Max SPL	125dB	128dB
Freq. Response	50Hz–18.5KHz	45Hz–18.5KHz
Dispersion Angel	90H*40V degree	90H*40V degree
Product Size/Weight	360x595x360mm/11.2kg	450x690x450mm/14.5kg
Connectors	2xNL4 Speakon	2xNL4 Speakon
Enclosure Material	Poly Wood 18mm	Poly Wood 18mm
Components	12″* 1 LF, 1.7″ compressed HF	15″* 1 LF, 1.7″ compressed HF

CE RoHS CCC