

## Ceiling Speaker



**MSP-406/T** Clip-Mount Type  
**MSP-416/T** Screw-Mount Type  
 6 Wrms Metal Ceiling Speaker  
 Built-in Matching Transformer  
 Dimensions : Ø199 x 63(H)mm  
 Cutting : Ø164mm



**MSP-400FD**  
 Metal Fire-dome  
 For MSP-406 Use



**MSP-426/T** Clip-Mount Type  
 6Wrms Metal Ceiling Speaker  
 Built-in Matching Transformer  
 Dimensions : Ø180 x 51(H)mm  
 Cutting : Ø151mm



**MSP-403/T** Clip-Mount Type  
 6W Plastic Ceiling Speaker  
 Built-in Matching Transformer  
 Dimensions : Ø103 x 88(H)mm  
 Cutting : Ø95mm

## Wall-Mount Speaker



**MSP-100** 8Ω Speaker  
**MSP-100/T** Transformer  
 10Wrms Wall-Mount Speaker  
 ABS Plastic Housing  
 White or Grey Color  
 Dimensions : 238(W) x 193(H)mm



**MSP-120/T**  
 6Wrms Wall-Mount Speaker  
 Built-in Matching Transformer  
 ABS Plastic Housing  
 Dimensions :  
 290(W) x 214(H) x 130(D)mm



**MSP-506** 8Ω Speaker  
**MSP-506/T** Transformer  
 6Wrms Wall-Mount Speaker  
 Dimensions :  
 130(W) x 130(H) x 61(D)mm



**MSP-516** 8Ω Speaker  
**MSP-516/T** Transformer  
 6Wrms Wall-Mount Speaker  
 Water-Proof Type w/Bracket

## Fashion Speaker



**MSP-320T/W** 20 Wrms  
**MSP-330T/W** 30 Wrms  
 ABS Plastic Wall-Mount Speaker  
 Built-in Matching Transformer  
 Dimensions : 215(W) x 170(H) x 150(L)mm  
 242(W) x 182(H) x 162(L)mm



## Waterproof Sound Projector



**MSP-200** 8Ω Speaker  
**MSP-200/T** Transformer  
 20Wrms ABS Plastic Sound Projector  
 Water-Proof Type w/Aluminum Bracket  
 Black or White Color Housing  
 Dimensions : Ø 138 x 187mm



## Volume Control



**MS-550P Series**  
 ABS Plastic Panel  
 UK Type & Flush Mount  
 5W / 30W / 60W



**MS-600 Series**  
 Stainless Steel Panel  
 US Type & Flush Mount  
 30 / 60W



**MS-550 Series**  
 Stainless Steel Panel  
 UK Type & Flush Mount  
 5W / 30W / 60W



**VCT-25**  
 25W Volume Control  
 ABS Plastic Panel  
 Surface Mount Type  
 Size : 84 x 84 x 54mm

**PENTON**

## P.A. Control Board



**MKT-105**  
 High(100V) & Low(8Ω)  
 Input From Amplifier  
 Output 8Ω to Speaker  
 DC24V Control Relay

### FEATURES -

- 4 Microphone & 1 Aux Input
- High / Low Impedance Outputs
- Priority Function For Emergency Call
- Built-in Condenser Microphone( Mic. 1 )
- Separate Bass & Treble Control
- Battery Operation( DC24V )



**MPA-400**  
40W(rms) Power Amplifier

### SPECIFICATIONS -

Model No.	MPA-400
Rated Output	40W(rms)
Frequency Response	45 Hz ~ 15KHz ±3dB
Signal to Noise Ratio	More than 65dB
Input Sensitivity	1.5mV ( Mic. 1 ~ 4 ), 100mV ( Aux )
Input Impedance	2KΩ( Mic. 1 ~ 4 Unbalance ), 47KΩ ( Aux )
Speaker Outputs	8Ω, 50V, 70V, 100V
Line Output	1.2V
T.H.D at 1 KHz	Less than 1dB
Power Source	AC230V / 50Hz, DC24V
Power Consumption	91Watts
Dimensions (W/H/D)	310 x 88 x 250mm
Weight	5.5 KG

### MIXING AMPLIFIER



**MPA-600** 60W(rms)  
**MPA-900** 90W(rms)

### FEATURES -

- High / Low Impedance Outputs
- 4 Zone Speaker Selector Outputs
- Priority Function For Emergency Call
- 5 Microphone Input With Volume Control
- Applicable to Dynamic or Condenser Mic.
- Music Sources Input – CD / TUNER / MP3
- Line Input / Output & Recording Output
- Separate Bass & Treble Control
- Battery Operation( DC24V )



**MPA-1200** 120W(rms)  
19" Standard Rack-Mount



**MPA-2400** 240W(rms)  
**MPA-3600** 360W(rms)  
19" Standard Rack-Mount

### SPECIFICATIONS -

Model No.	MPA-600	MPA-900	MPA-1200	MPA-2400	MPA-3600
Rated Output	60W(rms)	90W(rms)	120W(rms)	240W(rms)	360W(rms)
Frequency Response	45Hz ~ 15KHz ±3dB				
Signal to Noise Ratio	More than 65dB				
Input Sensitivity	1.5mV ( Mic. 1 ~ 5 ), 100mV ( Aux )				
Input Impedance	2KΩ( Mic. 1 ~ 3 Unbalance ), 600Ω ( Mic. 4 ~ 5 Balance ), 47KΩ ( Aux )				
Speaker Outputs	8Ω, 50V, 70V, 100V				
Line Output	1.2V				
Recording Output	1.0V				
T.H.D at 1 KHz	Less than 1dB				
Power Source	AC230V / 50Hz, DC24V				
Power Consumption	200 Watts	220 Watts	250 Watts	465 Watts	690 Watts
Dimensions (W/H/D)	440 x 94 x 315mm	440 x 94 x 350mm	482 x 145 x 340mm	482 x 145 x 340mm	482 x 145 x 340mm
Weight (KG)	9.5	10	14.5	16	18.5



**MA-50** 20W(rms) Mini Amplifier

- 2 Microphone & 1 Aux Input
- Low Impedance Output( 4 ~ 8Ω )
- Built-in Siren Generator
- Power Source : DC12V ~ 24V
- Dimensions : 160(W) x 48(H) x 160(D)mm



**MA-12** 12W(rms) Mini Amplifier

- 2 Microphone & 1 Aux Input
- Low Impedance Output( 4 ~ 8Ω )
- Power Source : AC230V or DC12 ~ 24V
- Dimensions : 168(W) x 45(H) x 140(D)mm



**MPA-30** 20W(rms) Amplifier / Intercom

- 1 Microphone & 1 Aux Input
- Low Impedance Output( 4 ~ 8Ω )
- Built-in Siren Generator
- Power Source : DC12V or 24V
- Dimensions : 160(W) x 48(H) x 145(D)mm



**MA-22** 20W(rms) Mini Amplifier

- 2 Microphone & 1 Aux Input
- Applicable to Dynamic or Condenser Mic.
- Low Impedance Output( 4 ~ 8Ω )
- Power Source : AC115V / 230V
- Dimensions : 220(W) x 60(H) x 194(D)mm



**MA-20** 20W(rms) Classroom Amplifier

- 2 Microphone Input / 1 Aux Input
- Built-in Priority Function( Mic.1 )
- Low Impedance Output( 4 ~ 8Ω )
- Dynamic or Condenser Microphone
- Power Source : AC220V
- Dimensions : 292(W) x 190(H) x 65(D)mm



**MMA-10**

- 10Watts Mini Amplifier(6Wrms)
- 2 Mic Inputs(Included Aux & mp3)
- Speaker Output : 4Ω ~ 8Ω
- UK Type Plastic Panel
- DC12~24V Operation

## Wireless Amplifier System



**MPA-100W** 10W(rms) Wireless Amplifier

- 2 Microphone & 1 Aux Input
- Built-in Therefore Receiver
- Power Source : AC/DC 12 ~ 24V
- Dimensions : 290(W) x 213(H) x 100(D)mm

**MWM-100** Wireless Microphone

- Hand-Held Microphone With Transmitter
- Power Source : 9V Battery
- Dimensions : Φ52 x 260(L)mm

**MWM-101** Wireless Microphone

- Tie-Clop Microphone With Transmitter
- Power Source : 9V Battery
- Dimensions : 60(W) x 100(H) x 23(D)mm

