



# Commercial Sound Product Lines

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government & public offices



office buildings



churches



schools



auditoriums & theaters



**PA-920/935** Mixer/Amplifier

- Output Power : PA-920 : 20W(RMS) < 1% THD  
PA-935 : 35W(RMS) < 1% THD
- Inputs : Mic 1, Mic 2 (AUX 1), Mic 3 (AUX 2), telephone input
- 2 Band Equalizer :  $\pm 10$ dB
- Priority Muting : Mic1, telephone, adjustable independently
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : PA-920 : 50W, PA-935 : 80W
- Weight : PA-920 : 3.5kg / 7.7lb, PA-935 : 4.4kg / 9.7lb
- Dimensions : 290(W)X76(H)X196(D)mm / 11.4(W)X3(H)X7.7(D)in

**PA-1000B/1000BR**  
Mixer/Amplifier/Receiver

- Output Power : 30W(RMS) < 1% THD
- Inputs : Mic 1, Mic 2, AUX, telephone input
- Input Connectors : Mic : Balanced XLR and 1/4"  
Telephone Input : Screw terminal
- 2 Band Equalizer :  $\pm 10$ dB
- Priority Muting : Mic 1, telephone, adjustable independently
- Remote controllable 4 tone chime for pre-announcement signal
- Line IN/OUT for additional mixer or amp link
- PA-1000BR Only : AM/FM digital tuner with 30 programmable presets  
memory with music on hold
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 80W
- Weight : PA-1000B : 4.6kg / 10lb, PA-1000BR : 4.8kg / 11.5lb
- Dimensions : 300(W)X88(H)X260(D)mm / 11.8(W)X3.5(H)X10.2(D)in

**A-60/120** Mixer/Amplifier

- Output Power : A-60 : 60W(RMS) < 1% THD  
A-120 : 120W(RMS) < 1% THD
- Inputs : Mic1-3(1/4" Balanced), AUX1-2
- 2 Band Equalizer :  $\pm 12$ dB
- Priority Muting : Mic 1
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : A-60 : 75W, A-120 : 105W
- Weight : A-60 : 8.9kg / 19.6lb, A-120 : 10.3kg / 22.7lb
- Dimensions : 420(W)X88(H)X320(D)mm / 16.5(W)X3.5(H)X12.6(D)in

**PA-2000/4000** Mixer/Amplifier

- Output Power : PA-2000 : 60W(RMS) < 1% THD  
PA-4000 : 120W(RMS) < 1% THD
- Inputs : 6 Balanced with adjustable sensitivity  
Options : XLR, 1/4", RCA, screw terminal  
Telephone Input : Screw terminal
- Priority Muting : Ch1, 2, chime & siren, telephone input adjustable
- 5 Band Equalizer : 100, 330Hz, 1, 3.3, 10kHz  $\pm 12$ dB
- Remote controllable 4 tone chime for announcement and siren
- Line in/out for additional mixer or amp link
- 5 Individual speaker zone selector and all call
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : PA-2000 : 150W, PA-4000 : 300W
- Weight : PA-2000 : 10kg / 22lb, PA-4000 : 12kg / 26.4lb
- Dimensions :  
PA-2000 : 420(W)X100(H)X320(D)mm / 16.5(W)X3.9(H)X12.6(D)in  
PA-4000 : 420(W)X133(H)X320(D)mm / 16.5(W)X5.2(H)X12.6(D)in

## PAM-60/120 Mixer/Amplifier



- Output Power : PAM-60 : 60W(RMS) < 1% THD  
PAM-120 : 120W(RMS) < 1% THD
- Inputs : 6 Balanced with adjustable sensitivity
- Option : XLR, 1/4", RCA, screw terminal, tuner, CD player, cassette  
Telephone Input : Screw terminal
- 2 Band Equalizer :  $\pm 12$ dB
- Priority Muting : CH1, 2, chime, telephone input adjustable
- Remote Control : 4 Tone chime for announcement
- Line IN/OUT for additional mixer or amp link
- 5 Individual speaker zone selector and all call
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : PAM-60 : 150W, PAM-120 : 300W
- Weight : PAM-60 : 11.4kg / 25.1lb, PAM-120 : 13.5kg / 29.7lb
- Dimensions : 420(W)X132(H)X360(D)mm / 16.5(W)X5.2(H)X14.1(D)in

## PAM-240/360 Mixer/Amplifier



- Output Power : PAM-240 : 240W(RMS) < 1% THD  
PAM-360 : 360W(RMS) < 1% THD
- Inputs : 6 Balanced with adjustable sensitivity  
Option : XLR, 1/4", RCA, screw terminal, tuner, CD player, cassette  
Telephone Input : Screw terminal
- 3 Band Equalizer :  $\pm 12$ dB
- Priority Muting : Ch1, 2, chime, telephone input adjustable
- Remote Chime : 4 Tone chime for announcement
- Remote speaker control used for external remote amplifier
- Line in/out for additional mixer or amp link
- 5 Individual speaker zone selector and all call
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption :  
PAM-240(230V-240V) : 240W, (100V-120V) : 250W  
PAM-360(230V-240V) : 300W, (100V-120V) : 380W
- Weight : PAM-240 : 11kg / 24.2lb, PAM-360 : 13kg / 5.1lb
- Dimensions : 420(W)X132(H)X360(D)mm / 16.5(W)X5.2(H)X14.1(D)in

## RM-05 Remote Microphone Station



- Speaker zones of PAM-240/360 can be controlled by RM-05
- Zone control switches
- Dynamic gooseneck microphone
- Pre-announcement chime
- LED output level indication
- Power Source : DC 24V(DIN connector)
- Weight : 900g / 2lb(without Microphone)
- Dimensions : 194(W)X60(H)X205(D)mm / 7.6(W)X2.3(H)X8(D)in

## PAM-T Tuner for PAM-Series Mixer/Amplifiers



- PAM series digital tuner module with 30 programmable presets
- Music on hold signal

## PAM-D Cassette Deck for PAM-Series Mixer/Amplifiers



- PAM series cassette module
- Front loading auto reverse cassette deck

## PAM-CDA CD Player for PAM-Series Mixer/Amplifiers



- PAM series CD module
- Function : Random play, music scan, time counter, repeat, forward, reverse track, forward, music search

**EMI-300** Mixer/Amplifier

NEW

CE



- Output Power : 2 x 150W(RMS) @ 4Ω <0.5% THD  
2 x 300W(RMS) @ 8Ω bridged mono <0.5% THD
- Inputs : 5 x Line input(RCA type)  
2 x Mic input(XLR)
- Insert : Master 2 L/R(XLR)  
Master 1 mono sub out(lowpass 100Hz/12dB)
- Ducking function automatically fades background music level during announcements (mic 1 only)
- 2 Band EQ : ±6dB bass and treble
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 261W
- Weight : 13kg / 28.6lb
- Dimensions : 483(W)X90(H)X383(D) mm / 19(W)X3.5(H)X15(D)in

**POP-30/60/120**  
Mixer/Amplifier/Receiver W/Cassette

CE



- Output Power : 30W, 60W, 120W(RMS) <1% THD
- Inputs : Mic 1(1/4" Balanced), Mic 2, 3(XLR, balanced), AUX, tuner, cassette
- 2 Band Equalizer : ±12dB
- 4 Tone chime for announcement
- 2 Speaker selector
- AM/FM digital tuner with 30 programmable presets
- Full-logic recording playback auto-reverse cassette deck
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : POP-30 : 105W, POP-60 : 132W,  
POP-120 : 235W
- Weight : POP-30 : 11.6kg / 25.6lb, POP-60 : 12.6kg / 27.8lb,  
POP-120 : 14.4kg / 31.7lb
- Dimensions : 420(W)X132(H)X320(D)mm / 16.5(W)X5.2(H)X12.6(D)in

**ACR-60/120**  
Mixer/Amplifier/Receiver W/Compact disc player

CE



- Output Power : 60W, 120W(RMS) <1% THD
- Inputs : Mic 1(1/4" Balanced), Mic 2, 3(XLR, balanced), AUX, tuner, CD
- 2 Band Equalizer : ±12dB
- 4 Tone chime for announcement
- 2 Speaker zone selector switches
- AM/FM digital tuner with 30 programmable presets
- Priority Muting : Ch1, chime
- 3 CD changer with 24 programmable presets
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : ACR-60 : 85W, ACR-120 : 120W
- Weight : ACR-60 : 13kg / 28.6lb, ACR-120 : 14.5kg / 32lb
- Dimensions : 420(W)X132(H)X320(D)mm / 16.5(W)X5.2(H)X12.6(D)in

**SYSTEM-2120A/2240A**  
Multi PA Combination Amplifier

CE



- Output Power : SYSTEM-2120A : 120W(RMS) <1% THD  
SYSTEM-2240A : 240W(RMS) <1% THD
- Inputs : 5 Balanced Mic and 2 AUX
- Priority Muting : Mic 1, 2 or all mic selectable
- 4 Tone chime for announcement
- 10 Individual speaker zone selector and all call
- 7 Band Graphic Equalizer : 63, 160, 400Hz, 1, 2.5, 6.3, 16kHz
- Built-In monitor speaker with attenuator
- 3 CD changer with 24 programmable presets
- AM/FM digital tuner with 32 programmable presets
- Auto-reverse logic cassette deck with high speed dubbing
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : SYSTEM-2120A : 300W,  
SYSTEM-2240A : 470W
- Weight : SYSTEM-2120A : 24kg / 9lb, SYSTEM-2240A : 25kg / 55.1lb
- Dimensions : 420(W)X266(H)X310(D)mm / 16.5(W)X10.4(H)X12.2(D)in

## PX-0288

8x8 Audio Matrix Controller



NEW

CE

- Permits long distance audio/data transmission and reception at microphone station
- RS-422 Protocol
- Priority control
- Balanced inputs/outputs
- Built-in phantom power(paging mic)
- Built-in bass, treble tone controls
- Built-in selectable monitor speaker
- Auto fire alarm transmission
- Built-in fire alarm contact
- Built-in remote control ports(RS-422)
- Display : 7-Segment Alpha-Numeric and LED meters
- Input Channels/Output Channels: 8 Channels
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Serial Port : 1 Port(for remote mic station)
- Weight : 8.3kg / 18.3lb
- Dimensions : 482(W)X132(H)X280(D)mm / 19(W)X5.2(H)X11(D)in

## RM-88

Remote Mic Station



NEW

CE

- 8 Key zone selector.
- Ready/busy state LED display
- Audio level meter
- Input keys : Individual 8 key, all key, talk key
- Power Source : DC 24V(supplied by PX-0288)
- Weight : 1.45kg / 3.2lb
- Dimensions : 200(W)X206(H)X70(D)mm / 7.8(W)X8.1(H)X2.7(D)in

## LM-88

Remote Control and Audio Input Module



NEW

CE

- Remote line and mic input with gain controls
- Source selection gain control
- Display : 7-Segment Alpha-Numeric
- Power Source : DC 24V(from PX-0288)
- Serial Port : 1 Port(RS-422)
- Weight : 556g / 1.2lb
- Dimensions : 88(W)X140(H)X57(D)mm / 3.4(W)X5.5(H)X2.2(D)in

## PS-88

Remote Control Module



NEW

CE

- Source selection gain control
- Display : 7-Segment Alpha-Numeric
- Power Source : DC 24V(from PX-0288)
- Serial Port : 1 Port(RS-422)
- Weight : 530g / 1.1lb
- Dimensions : 88(W)X140(H)X57(D)mm / 3.4(W)X5.5(H)X2.2(D)in

## IMS-9000 Microphone Controller



- 50 chairman & delegate stations can be linked
- Permits control of the system functions
- Supplies the power to all microphone stations (delegate and chairman)
- On/off function for speaker's microphone
- Frequency Response : 100Hz ~ 15kHz
- T.H.D (at 1 kHz) : less than 0.2%
- S/N : More than 60dB
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 50W
- Weight : 4kg / 8.8lb
- Dimensions : 482(W)X88(H)X280(D)mm / 19(W)X3.5(H)X11(D)in

## IMS-9000C Chairman Microphone



- LED power indicator on the microphone base
- High quality gooseneck electret cardioid condenser microphone
- With the addition of a supplementary power supply, more microphones may be added to the system
- The chairman's unit has control over the delegate microphones, and has a reset function. It may also be muted without affecting the delegate microphones (for privacy)
- Mic Sensitivity : -60dBV +3dB
- Frequency Response : 150Hz ~ 10kHz
- Power Source : DC 24V
- Power Consumption : 100mA
- Weight : 1kg / 2.2lb
- Dimensions : Stand : 110(W)x150(H)x48(D)mm / 4.3(W)X5.9(H)X1.9(D)in  
Mic : 480(H)x10(Unit)mm / 18.9(W)X0.4(unit)in

## IMS-9000D Delegate Microphone



- LED power indicator on the microphone base
- High quality gooseneck electret cardioid condenser microphone
- With the addition of a supplementary power supply, more microphones may be added to the system
- On/Off switch allows the user to mute the microphone (for privacy)
- Mic Sensitivity : -60dBV +3dB
- Frequency Response : 150Hz ~ 10kHz
- Power Source : DC 24V
- Power Consumption : 100mA
- Weight : 1kg / 2.2lb
- Dimensions : Stand : 110(W)x150(H)x48(D)mm / 4.3(W)X5.9(H)X1.9(D)in  
Mic : 480(H)x10(Unit)mm / 18.9(W)X0.4(unit)in

## PM-9208 Monitor Panel



- Simultaneous Monitoring of each CH Output Level (LED Meter)
- Monitor Speaker with Attenuator (0, -6, -12, -18, -24dB, OFF)
- Power Source : DC 24V
- Weight : 3.5kg / 8.6lb
- Dimensions : 482(W)X88(H)X280(D)mm / 19(W)X3.5(H)X11(D)in



**PW-9242N**  
Weekly Program Timer

NEW

CE



- In/Out Channels : 5 Inputs, 4 outputs (Balanced XLR)
- Timer controlled switched AC power outlet
- Weekly memory and clear
- Built-In 15 melody and voice file from MVF-2132
- Maximum Memory(Melody) : 1 Minute
- Protect & back-up functions
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 11W
- Weight : 4.5kg / 9.9lb
- Dimensions : 482(W)X88(H)X280(D)mm / 19(W)X3.5(H)X11(D)in

**PT-9107SD** Digital Tuner

NEW

CE



- Fixed and variable outputs
- Stereo and mono outputs
- Auto scan, auto scan memory
- FM stereo indicator, MONO/STEREO function
- 20 station presets
- Automatic mute circuit
- DIGI-LINK function for remote control
- Sensitivity : FM : 3  $\mu$ V, AM : 100  $\mu$ V
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 14W
- Weight : 3.5kg / 7.7lb
- Dimensions : 482(W)X44(H)X280(D)mm / 19(W)X1.75(H)X11(D)in

**MVF-2132** Multi-Voice File

NEW

CE



- MP3 128Kbps(CD digital sound quality)
- 32Mbyte internal memory for up to 30 minutes playback
- External memory expansion (Maximum: 256Mbytes)
- USB V1.1 compatible for MP3 file transfers with computers
- In/Out Channels : 3 Inputs(CD, MIC, AUX input)  
2 outputs(headphone, balanced XLR output)
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 12W
- Weight : 3.5kg / 7.7lb
- Dimensions : 482(W)X44(H)X280(D)mm / 19(W)X1.75(H)X11(D)in

**PC-9335** Dual Cassette Deck

CE



- Relay playback, auto music search, Normal & high speed synchro dubbing
- Full logic auto-reverse double cassette deck with REC level control
- Blank skip, blank recording
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 22W
- Weight : 4.5kg / 9.9lb
- Dimensions : 482(W)X132(H)X280(D)mm / 19(W)X5.2(H)X11(D)in

**CD-3500**  
Multiple Compact Disc Player

NEW

CE



- 5 Disc CD changer
- Direct track selection
- Intelligent disc scan
- 32 Track program memory
- 20 bit, 8 times oversampling digital filter
- 3 Mode random playback
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 12W
- Weight : 7.1kg / 15.6lb
- Dimensions : 482(W)X132(H)X389(D)mm / 19(W)X5.2(H)X15.3(D)in

Shelf Mount

Rack Mount

Speakers

Microphones

### PP-9113 Pre-Amplifier



- Inputs : 6 Mic, phono, CD, cassette, tuner, AUX, chime & siren, mixer
- Balanced XLR for mic input and balanced XLR main output
- Mic 1/2, chime & mixer priority muting
- Signal LED on each fader knob
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 9.5W
- Weight : 5kg / 11lb
- Dimensions : 482(W)X44(H)X280(D)mm / 19(W)X1.75(H)X11(D)in

### PP-9213 Pre-Amplifier



- Inputs : 6 Mono, 3 stereo, tone control on each channels
- Outputs : 2 Sub outputs, main output, rec output, and insert  
4 band EQ
- 2 Priority inputs
- +18V Phantom power
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 10W
- Weight : 5kg / 11lb
- Dimensions : 482(W)X88(H)X280(D)mm / 19(W)X3.5(H)X11(D)in

### PP-9214 Pre-Amplifier



- Inputs : 8 Mono, 2 stereo
- Outputs : 2 Main, REC
- 3 Band equalizer
- Output selector switch on each input channel
- +4, -10, -20dB attenuator on stereo input
- Priority Muting : CH 1
- +18V Phantom power
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 9.8W
- Weight : 12.8kg / 28.2lb
- Dimensions : 482(W)X88(H)X280(D)mm / 19(W)X3.5(H)X11(D)in

### LM-9414 4 Bus Mic Line Mixer



- Input Section :
  - Mono : 6 with 2 AUX send, pan pot
  - Stereo : 4 with 2 Aux send, balance control
  - Gain Selector Switch : -20dB, -10dB, +4dB
  - Common : 3 Band equalizer(±12dB), PFL on/off switch
  - Output Selector Switch : Stereo, 1/2, 3/4
- Output Section : Stereo, bus 1, 2, 3, 4 output
- Display : 7 Segment level meter for 1, 2, 3, 4, L/R, PFL, monitor on switch(at Output), +24V phantom power
- 2 AUX send and stereo return
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 30W
- Weight : 8.3kg / 18.3lb
- Dimensions : 482(W)X177(H)X280(D)mm / 19(W)X6.7(H)X11(D)in

### EQ-2215 15 Band Dual Graphic Equalizer



- 15 Band dual graphic equalizer
- 2/3 Octave 20Hz ~ 20kHz, ±12dB
- 80Hz 18dB/octave
- Constant Q circuitry
- Selectable EQ range : ±12dB, ±6dB
- Cut only switch
- Peak indicator LEDs for each channel light 6 dB before clipping
- Bypass switch
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 15W
- Weight : 4.5kg / 9.9lb
- Dimensions : 482(W)X88(H)X280(D)mm / 19(W)X3.5(H)X11(D)in

## EQ-2131

### 31 Band Mono Graphic Equalizer



- 31 Band mono graphic equalizer
- 1/3 Octave 20Hz ~ 20kHz,  $\pm 12$ dB
- 80Hz 18dB/octave
- Constant Q circuitry
- Selectable EQ Range :  $\pm 12$ dB,  $\pm 6$ dB
- Cut only switch
- Peak indicator LEDs for each channel light 6 dB before clipping
- Bypass switch
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 15W
- Weight : 4.5kg / 9.9lb
- Dimensions : 482(W)X88(H)X280(D)mm / 19(W)X3.5(H)X11(D)in

## EQ-2231

### 31 Band Dual Graphic Equalizer



- 31 Band dual graphic equalizer
- 1/3 Octave 20Hz ~ 20kHz,  $\pm 12$ dB
- 80Hz 18dB/octave
- Constant Q circuitry
- Selectable EQ range :  $\pm 12$ dB,  $\pm 6$ dB
- Cut only switch
- Peak indicator LEDs for each channel light 6 dB before clipping
- Bypass switch
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 20W
- Weight : 5kg / 11lb
- Dimensions : 482(W)X88(H)X280(D)mm / 19(W)X3.5(H)X11(D)in

## CN-9102

### Dual Channel Compressor Limiter With Noise Gate



- Dual channel compressor limiter with noise gate
- Threshold, ratio, level control
- Attack, release time control
- Hard and soft knee function switch
- Fully independent Gate with threshold, rate control
- In/out display switch
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 12W
- Weight : 3.5kg / 7.7lb
- Dimensions : 482(W)X44(H)X280(D)mm / 19(W)X1.75(H)X11(D)in

## PE-9103(A) Chime & Siren



- Chime : Up & down, 2 tone, westminster
- Siren : Constant & undulating
- Wired remote control available
- Power Source : DC 24V
- Weight : 2.8kg / 6.2lb
- Dimensions : 482(W)X44(H)X280(D)mm / 19(W)X31.75(H)X11(D)in

## PS-9116/9116 I

### Speaker Selector



- 16 Zone Speaker Selector Switches : All, group 1, group 2, ch 1-16
- Operating mode indicator for each switch
- Remote Control Terminal : All, group 1 & 2(PS-9116 only)
- 2 Input channels (PS-9116 only)
- Power Source : DC 24V
- Weight : PS-9116 : 3.6kg / 7.9lb, PS-9116 I : 4.2kg / 9.2lb
- Dimensions : 482(W)X44(H)X280(D)mm / 19(W)X1.75(H)X11(D)in

**EP-9216** Emergency Panel

CE

- Integrates with fire alarm system
- External auto announcement available with voice file
- Function test switch
- Output level control
- Power Source : DC 24V
- Weight : 4kg / 8.8lb
- Dimensions : 482(W)X88(H)X280(D)mm / 19(W)X3.5(H)X11(D)in

**ES-9116** Emergency Switcher

CE

- Speaker Selector : All, ch 1-16
- Auto fire sensing and announcement at designated zone
- Display : Selector switch on/off
- Extension with other switchers is possible
- Power Source : DC 24V
- Weight : 3.2kg / 7lb
- Dimensions : 482(W)X44(H)X280(D)mm / 19(W)X1.75(H)X11(D)in

**PX-9116** Matrix

CE

- Priority Control : Emergency, timer, remote 1, remote 2, main
- Display : Prior mode LED
- Two and three wire system
- Extension with other matrix devices is possible
- Power Source : DC 24V
- Weight : 3.4kg / 7.5lb
- Dimensions : 482(W)X44(H)X280(D)mm / 19(W)X1.75(H)X11(D)in

**RG-9116** Relay Group

CE

- 16 CH speaker line switching,
- Display : Communication status
- Two and three wire system communication
- Power Source : DC 24V
- Weight : 3.8kg / 8.3lb
- Dimensions : 482(W)X44(H)X280(D)mm / 19(W)X1.75(H)X11(D)in

**PA-9312/9324** Power Amplifier

CE

- Output Power : 120W(RMS), 240W(RMS) <1% THD
- Protection : Thermal, PC limiter
- Balanced Input(XLR)
- 400Hz high pass filter
- Ground Selector : Frame/float
- Input Level Control : -12dB, -0dB(1V)
- Fan forced-air cooling system
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : PA-9312 : 300W, PA-9324 : 680W
- Weight : PA-9312 : 14kg / 30.8lb, PA-9324 : 19kg / 41.8lb
- Dimensions : 482(W)X132(H)X280(D)mm / 19(W)X5.2(H)X11(D)in

## PA-9336 Power Amplifier



- Output Power : 360W(RMS) <1% THD
- Protection : Thermal, PC limiter
- Balanced input(XLR)
- 400Hz high pass filter
- Ground Selector : Frame/float
- Input Level Control : -12dB, -0dB(1V)
- Fan forced-air cooling system
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 1000W
- Weight : 21kg / 46.3lb
- Dimensions : 482(W)X132(H)X280(D)mm / 19(W)X5.2(H)X11(D)in

## PA-2312 Dual Channel Power Amplifier



- Output Power : 120W(RMS)/Channel <1% THD
- Protection : Thermal, PC limiter
- Balanced input(XLR), link
- 400Hz high pass filter
- Ground Selector : Frame/float
- Fan forced-air cooling system
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 290W
- Weight : 20kg / 44.1lb
- Dimensions : 482(W)X132(H)X280(D)mm / 19(W)X5.2(H)X11(D)in

## PD-9359E Power Distributor



- Rack system AC/DC power controller
- Protection : DC overcurrent(regulated output)
- Outlet : 2 AC unswitched, 9 AC switched, 9 DC unswitched
- Remote on/off
- Emergency battery input
- Display : AC, DC volt meter
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 230VA
- Weight : 11kg / 24.2lb
- Dimensions : 482(W)X132(H)X280(D)mm / 19(W)X5.2(H)X11(D)in

## PB-9207A Battery Charger



- Current control, automatic charging
- Charge Current : DC 3A
- Charge Voltage : DC 27.3V max
- Display : Volt, ampere meter
- Protection : Overcurrent, overcharge
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 120VA
- Weight : 6.2kg / 13.6lb
- Dimensions : 482(W)X88(H)X280(D)mm / 19(W)X3.5(H)X11(D)in

## PF-9302 Auto Blower



- Rack system temperature controller
- Operation Selector Switch : Manual, auto, operating temperature
- Fans : 2 DC fans
- Power Source : DC 24V
- Weight : 1.4kg / 3.1lb
- Dimensions : 482(W)X132(H)X35(D)mm / 19(W)X5.2(H)X1.4(D)in

### PO-9106 Program Distributor



- 1 Input, 6 outputs by XLR connectors
- Level control for each input/output
- LED display for each input/output
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, DC 24V  
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 8W
- Weight : 3.8kg / 8.4lb
- Dimensions : 482(W)X44(H)X280(D)mm / 19(W)X1.75(H)X11(D)in

### LM-9228 Line Monitor



- Selector Switches : Group 1, Group 2  
Group 1(input ch 4, output ch 4),  
Group 2(input ch 4, output ch 4)
- Power Source : DC 24V
- Weight : 7.5kg / 16.5lb
- Dimensions : 482 (W)X88(H)X280(D)mm / 19(W)X3.5(H)X11(D)in

### PG-9104 Program Exchanger



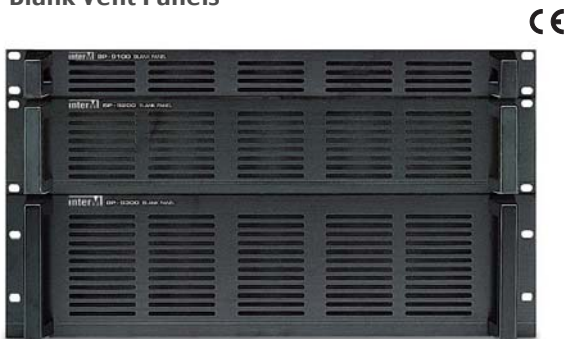
- 4 Line Inputs : 4 Line outputs
- Emergency Interface: Input, timer input, remote input 1, 2
- Indicators : Emergency, timer, remote 1, remote 2, line
- Power Source : DC 24V
- Weight : 5kg / 11lb
- Dimensions : 482(W)X44(H)X280(D)mm / 19(W)X1.75(H)X11(D)in

### TB-9116/9232 Terminal Board



- 16/32 ch for rack system components and external lines
- Weight : TB-9116 : 3kg / 6.6lb, TB-9232 : 4.2kg / 9.2lb
- Dimensions :  
TB-9116 : 482(W)X44(H)X280(D)mm / 19(W)X1.75(H)X11(D)in  
TB-9232 : 482(W)X88(H)X280(D)mm / 19(W)X3.5(H)X11(D)in

### BP-9100/9200/9300 Blank Vent Panels



- Weight : BP-9100 : 320g / 0.7lb, BP-9200 : 540g / 1.2lb,  
BP-9300 : 760g / 1.7lb
- Dimensions :  
BP-9100 : 482(W)X44(H)X28(D)mm / 19(W)X1.75(H)X11(D)in  
BP-9200 : 482(W)X88(H)X28(D)mm / 19(W)X3.5(H)X11(D)in  
BP-9300 : 482(W)X132(H)X28(D)mm / 19(W)X5.2(H)X11(D)in

## Column Speakers

Indoor  
(GRAY)



**CS-710/720/730/740**  
(10W/20W/30W/40W)

spec \ model	Unit	CS-710	CS-720	CS-730	CS-740
Rated Output	W	10	20	30	40
Impedance	Ω	1k/2k	500/1k	330/660	250/500
Frequency Response	Hz	200 ~ 14k	200 ~ 14k	200 ~ 14k	200 ~ 14k
S.P.L   1m/1W	dB	88	90	91	93
Enclosure Material	Aluminum				
Weight	kg	1.6	2.9	3.8	4.6
Dimensions(WxHxD)	mm	138x253x105	138x326x105	138x453x105	138x580x105

Outdoor



**CS-810/820/830/840**  
(10W/20W/30W/40W)

spec \ model	Unit	CS-810	CS-820	CS-830	CS-840
Rated Output	W	10	20	30	40
Impedance(100Volt)	Ω	COM 1k/10W 2k/5W	COM 500/20W 1k/10W	COM 330/30W 660/15W	COM 250/40W 500/20W
Frequency Response	Hz	200 ~ 22k	200 ~ 22k	200 ~ 22k	200 ~ 22k
S.P.L   1m/1W	dB	92	95	96	99
Enclosure Material	Aluminum				
Weight	kg	2.9	3.6	4.7	5.4
Dimensions(WxHxD)	mm	149x310x124	149x420x124	149x530x124	149x640x124

Indoor



**CS-910/920/930/940**  
(10W/20W/30W/40W)

spec \ model	Unit	CS-910	CS-920	CS-930	CS-940
Rated Output	W	10	20	30	40
Impedance	Ω	1k/2k	500/1k	330/660	250/500
Frequency Response	Hz	250 ~ 14k	250 ~ 14k	250 ~ 14k	250 ~ 14k
S.P.L   1m/1W	dB	88	90	91	93
Enclosure Material	Aluminum				
Weight	kg	1.4	2.5	3.6	4.7
Dimensions(WxHxD)	mm	104x300x86	104x478x86	104x656x86	104x834x86

## Wall Speakers



**SWS-03A(BR, IV)**  
(3W)

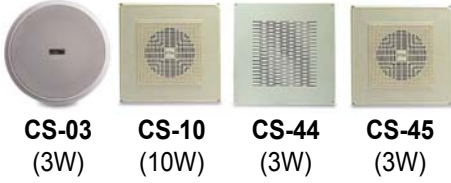


**SWS-10A(BR, IV)**  
(10W)

- Inter-M's stylish new SWS series offer a break from the conventional 'Box' speaker. With either 3W or 10W 100V line versions available, these are the ideal choice for an office environment. The SWS-03 and SWS-10 are available in an off-white or brown finish.

spec \ model	Unit	SWS-03(A)	SWS-10(A)
Rated Output	W	3 / 2 / 1 100V	10 / 5 / 3 100V
Frequency Response	Hz	150 ~ 12k	150 ~ 12k
S.P.L   1m/1W	dB	89	90
Colour		Off White or Brown	Off White or Brown
Material		Injection Moulded	Injection Moulded
Weight	kg	1.1	1.34
Dimensions(WxHxD)	mm	140 x 274 x 120	140 x 274 x 120

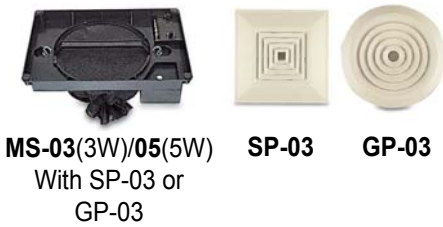
## Ceiling Speakers



**CS-03** (3W)    **CS-10** (10W)    **CS-44** (3W)    **CS-45** (3W)

- Versatile
- Easy installation
- Excellent for public address applications

spec \ model	Unit	CS-03	CS-10	CS-44	CS-45
Rated Output	W	3	10	3	3
Impedance	Ω	COM 3.3kohm 5kohm 10kohm	COM 1kohm 2kohm -	COM 3.3kohm 5kohm 10kohm	
Frequency Response	Hz	180 ~ 10k	120 ~ 10k	180 ~ 10k	110 ~ 10k
S.P.L   1m/1W	dB	98	92	98	98
Enclosure Material		Aluminum	ABS resin	Painted steel	ABS resin
Weight	kg	0.65	1	1.3	1
Dimensions	mm	228(Ø)x96(D)	303(W) x 303(H) x 95(D)		



**MS-03(3W)/05(5W)**  
With SP-03 or GP-03    **SP-03**    **GP-03**

- Cost-effective ceiling speaker
- Tapped for 3W,2W,1W@100V lines
- Easy to install without screws or special tools
- GP-03 round, off-white ABS grille for MS-03

spec \ model	Unit	MS-03	MS-05	GP-03
Rated Output	W	3	5	-
Impedance	Ω	3.3k, 5k, 10k		
Frequency Response	Hz	250 ~ 12k		
S.P.L   1m/1W	dB	98		
Weight	g	63		124
Dimensions	mm	246(W) x 174(H) x 110(D)		230(fl) x 12(H)



**CS-03A** (3W)    **CS-05W(GRAY)** (5W)

- Versatile
- Easy installation
- Excellent for public address applications

spec \ model	Unit	CS-03A	CS-05
Rated Output	W	3	5
Impedance	Ω	COM, 3.3k 5k, 10k	COM, 2k 4k, 8k
Frequency Response	Hz	150 ~ 15k	150 ~ 14k
S.P.L   1m/1W	dB	90	92
Weight	g	725	945
Dimensions	mm	227(Ø) x 100(D)	



## Mic Amplifier



**PS-30(30W)**

- Integrated 30 watt powered speaker
- 2 Way system with HF driver and LF woofer
- Compact, strong, structural-foam enclosure
- Covered in rugged carpet material to resist scuffs and bumps in transit
- Corner protectors and metal grilles are standard for added protection
- 2 Low impedance microphone inputs & 1 AUX input

spec	model	Unit	<b>PS-30</b>
Rated Output		W	30
Input Sensitivity / Impedance	MIC 1,2	Ω	-50dB/600, BAL
	AUX	Ω	-10dB/10k, UNBAL
Frequency	Mic Input	Hz	250 ~ 12k
Response	AUX	Hz	80 ~ 18k
S.P.L	1W/1m	dB	90
Power Source		V	AC 120V/230V/240V, 50/60Hz, DC 12V
Power Consumption		W	120V : 18W, 230V : 23W, 240V : 19W
Weight		kg	4.6
Dimensions(WxHxD)		mm	345 x 205 x 173

## Fashion Speakers



**FS-52**

- 50W
- 1" Dome Tweeter
- 5" 1/4 Cone Woofer
- 3.74"x3.74" Horn



**FS-30/60/100**

- 30W/60W/100W
- 5" Full Rangex2



**FSB-2**

- Designed for high quality, professional sound reproduction
- A switch permits connection to either low impedance (8ohm) or high Impedance (70/100V line) loudspeaker systems(FS-30/60/100)
- Full range 5 1/4"x2(FS-30/60/100)
- 2Way 1"+5 1/4" (FS-52)
- FS-52 available only in 8ohm version
- Colour coded connection terminals, red=positive(+) and black=negative(-)
- Connection terminals are push type to allow easy cable connection

spec	model	Unit	<b>FS-30</b>	<b>FS-60</b>	<b>FS-100</b>	<b>FS-52</b>
Rated Output		W	30	60	100	50
Impedance		Ω	8/333	8/167	8/100	8
Frequency Response		Hz	180 ~ 13k			
Dimensions(WxHxD)		mm	175 x 300 x 158.5			
Bracket (Option)			FSB-2			



**MS-50BT  
(20W)**

- 20W @ 4 Ω or 20W @ / 100V
- 2" 1/4 Cone Tweeter
- 5" Cone Woofer



**MS-50WT  
(20W)**

- 20W @ 4 Ω or 20W @ / 100V
- 2" 1/4 Cone Tweeter
- 5" Cone Woofer



**FSB-1**

- Built-in matching transformer for public address system
- Rated input: 20Watt/4ohm or 100V speaker line
- Compatible to FSB-1 bracket
- Attractive styling

spec	model	Unit	<b>MS-50BT</b>	<b>MS-50WT</b>
Rated Output		W	20Watt/4ohm or 20Watts/100V speaker line	
Frequency Response		Hz	120 ~ 20k	
S.P.L	1m/1W	dB	90	
Colour			Black	White
Weight		kg	3.2	
Dimensions(WxHxD)		mm	150 x 240 x 150	
Bracket (Option)			FSB-1	

## Paging Horn Speakers



spec \ model	Unit	HS-S20	HS-20	HS-30	HS-50	HS-30RT	HS-40RT
Rated Output	W	20	20	30	50	30	40
Impedance	Ω	500, 1k	500, 1k	330, 660	200, 400	330, 660	250, 500
Frequency Response	Hz	380 ~ 6500					
S.P.L   1m/1W	dB	106	106	107	109	107	109
Weight	kg	1.5	2.45	2.85	3.1	2.95	2.95
Dimensions	mm	169(Ø) x 230(D)	250(Ø) x 280(D)	280(Ø) x 350(D)	320(Ø) x 350(D)	320(W) x 210(H) x 365(D)	

## Clear Horn Speaker

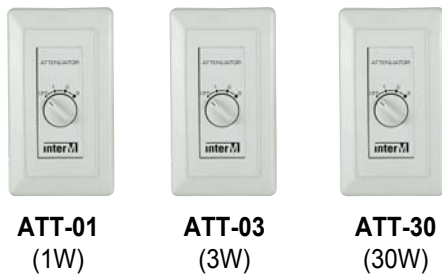


**CH-530(30W) : 4" Full Range**  
**CH-532(30W) : 4" Coaxial Cone**

- Indoor or Outdoor Use
- Coaxial Type 2 Way System
- Wide Frequency Range & Vocal Clarity
- Excellent for Public Address Systems
- Easy Installation
- Dispersion Control

spec \ model	Unit	CH-522	CH-532
Rated Input	W	20	30
Impedance	Ω	500 ~ 1k	165 ~ 330
Frequency Response	Hz	110 ~ 20k	100 ~ 20k
S.P.L(1m/1W)	dB	95	95
Weight	kg	3.5	
Dimensions(WxHxD)	mm	294 x 209 x 326	

## Attenuator Unit



**ATT-01**  
(1W)

**ATT-03**  
(3W)

**ATT-30**  
(30W)

- Switch-Plate-Mounted Attenuator Unit
- Attractive Modern Design
- Simple Installation
- Screwless Terminal Block Makes Wiring Very Easy

spec \ model	Unit	ATT-01	ATT-03	ATT-30
Rated Input	W	1	3	30
Application	W	1	2 ~ 3	7 ~ 30
Input Impedance (Reference Voltage 100V)	Ω	10k	5k ~ 3.3k	1.4k ~ 330
Volume Control	dB	4 step SW (-off, -10, -4, 0dB)	4 step SW (-off, -10, -4, 0dB)	4 step SW (-off, -12, -6, 0dB)
Method		Resistor	Resistor	Transformer
Material	Plate	SECC 1.0t		
	Front Cover	A.B.S		
Weight	g	109	112	196
Dimensions(WxHxD)	mm	68 x 120 x 38		

# Microphones

## Dynamic Type



MD-600 MD-700 MD-750 MD-850 MD-950

spec \ model	Unit	MD-600	MD-700	MD-750	MD-850	MD-950
Type		Dynamic				
Polar Pattern		Cardioid	Unidirectional	Cardioid	Super Cardioid	Super Cardioid
Frequency Response	Hz	80~13,500	-	80~14,000	70~15,000	70~16,000
Sensitivity	dB	-54±3	-54±3	-54	-52	-52 ±3
Impedance	Ω	600±30%	600±30%	580	600	600
Weight	g	245	265	300	320	320
Dimensions	mm	52(Ø)x168(D)	54(Ø)x176(D)	54(Ø)x178(D)	55(Ø)x180(D)	55(Ø)x180(D)

## Condenser Type



MC-1000

spec \ model	Unit	MC-1000
Type		Electric Condenser
Polar Pattern		Cardioid
Frequency Response	Hz	70 ~ 17,000
Sensitivity	dB	-50
Impedance	Ω	600
Output Connector		XLR M-TYPE
Battery	V	1.5V AA/UM3
Weight	kg	270 (with Battery)
Dimensions	mm	26(Ø) x 186

## RM-01

### Remote Microphone Station



- Unidirectional dynamic microphone
- Remote chime switch
- Mic on/off switch
- 2 Push buttons for easy operation
- Weight : 1.4kg / 3lb
- Dimensions : 90(W)X45(H)X133(D)mm / 3.5(W)X1.8(H)X5.2(D)in

## RM-916

### Remote Paging Mic Station



- Output : Program output (balanced)
- Input : AUX (unbalanced)
- 16 Speaker control terminals & switches
- All call switch
- 4 Tone chime for announcement
- Mute switch
- Power Source : DC 24V
- Weight : 1.2kg / 2.6lb (without microphone)
- Dimensions : 245(W)X60(H)X205(D)mm / 9.6(W)X2.3(H)X8(D)in

## Stand



- Weight : TS-1 : 1.7kg / 2.2lb  
FS-2 : 2.6kg / 5.7lb  
BS-3 : 3.8kg / 8.4lb
- Dimensions : TS-1 : 190(W)X130(H)X70(D)mm / 7.48(W)X5.1(H)X2.8(D)in  
TS-1 : 1,025(W)X90(H)X85(D)mm / 40.36(W)X3.5(H)X3.3(D)in  
BS-3 : 1,025(W)X90(H)X85(D)mm / 40.36(W)X3.5(H)X3.3(D)in

## Aluminium Rack Cabinets



- Weight : PA-151D : 34.2kg / 75.41lb  
PA-231D : 46.3kg / 102lb  
PA-271D : 51kg / 112.4lb  
PA-331D : 59.7kg / 131.6lb  
PA-391D : 71.8kg / 158.3lb
- Dimensions : PA-151D : 587(W)X589(H)X881(D)mm / 23.1(W)X23.2(H)X34.6(D)in  
PA-231D : 587(W)X589(H)X1287(D)mm / 23.1(W)X23.2(H)X50.6(D)in  
PA-271D : 587(W)X589(H)X1415(D)mm / 23.1(W)X23.2(H)X55.7(D)in  
PA-331D : 587(W)X589(H)X1682(D)mm / 23.1(W)X23.2(H)X66.2(D)in  
PA-391D : 587(W)X589(H)X1948(D)mm / 23.1(W)X23.2(H)X76.7(D)in

## Steel Rack Cabinets



- Weight : PR-091A : 17kg / 37.5lb  
PR-111A : 18kg / 39.7lb  
PR-151A : 22kg / 48.5lb  
PR-231A : 28kg / 61.7lb  
PR-271A : 33kg / 72.7lb  
PR-331A : 37kg / 81.5lb  
PR-391A : 43kg / 94.8lb
- Dimensions : PR-091A : 585(W)X508(H)X585(D)mm / 23(W)X20(H)X23(D)in  
PR-111A : 585(W)X597(H)X585(D)mm / 23(W)X23.5(H)X23(D)in  
PR-151A : 585(W)X844(H)X585(D)mm / 23(W)X33.2(H)X23(D)in  
PR-231A : 585(W)X1200(H)X585(D)mm / 23(W)X47.2(H)X23(D)in  
PR-271A : 585(W)X1378(H)X585(D)mm / 23(W)X54.3(H)X23(D)in  
PR-331A : 585(W)X1645(H)X585(D)mm / 23(W)X64.8(H)X23(D)in  
PR-391A : 585(W)X1912(H)X585(D)mm / 23(W)X75.2(H)X23(D)in

Inter-M manufactures products that play an important part in everyday life. The products are used in sound systems of every type - in business, churches, recreation facilities, shopping malls, schools, and entertainment centers.

Inter-M products provide exceptional value, assure reliable performance, incorporate up-to-date technology, and reflect a clear understanding of how the products are used.

- Value

Inter-M products represent good value - each product meets the market needs and expectations, delivering good performance at a price that is realistic.

- Reliability

Inter-M products have been designed, built, and tested to deliver reliable functionality.

- Technology

Inter-M is committed to using advanced technology that is oriented to real-world requirements and with features that are useful.

- Commitment

Inter-M is staffed with people that have a commitment to provide high-quality products at reasonable prices via their global network of distributors, dealers, contractors, and system integrators.

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## Global Offices

### IMK(Korea)



**Inter-M Corporation**  
653-5 Banghak-Dong,  
Dobong-Ku, Seoul, Korea

Tel : 82-2-2289-8140~8,  
Fax: 82-2-2289-8149  
E-mail:  
[export@inter-m.com](mailto:export@inter-m.com)

### IMA(America)



**Inter-M Americas, Inc.**  
1 East Beacon Light Lane  
Chester, PA. 19013 USA

Tel: 610-874-8870  
Fax: 610-874-8890  
E-mail: [info@inter-m.net](mailto:info@inter-m.net)  
Web: [www.inter-m.net](http://www.inter-m.net)

### IMC(China)



**Inter-M (Dongguan)  
Electronics Co, Ltd.**  
ZhongHanGyo Industrial  
Garden Zheng Zhong-Ro  
Wang niudun Town, Dong  
Guan City  
Guang Dong Province China  
P.C. China 523200

Tel: 86-769-851-3001~3  
Fax: 86-769-851-3009  
E-mail:  
[syjeon@inter-m.com](mailto:syjeon@inter-m.com)

### IMJ(Japan)



**Comodo Mattina, Inc.**  
Kyoei Iriya Building 7F, 1-27-5  
Iriya, Taito-ku  
Tokyo, 110-0013 Japan

E-mail:  
[taka\\_asahina@h8.dion.ne.jp](mailto:taka_asahina@h8.dion.ne.jp)  
<http://www.comodo-mattina.com>

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## **Inter·M Corporation**

OFFICE : 653-5 BANGHAK-DONG,  
DOBONG-KU, SEOUL, KOREA  
TEL : 82-2-2289-8140~8  
FAX : 82-2-2289-8149  
E-mail : [export@inter-m.com](mailto:export@inter-m.com)

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