



Z-FV200-AS Series Emergency PA System

Seamless Emergency and General Broadcasting
with Automatic Alerts, Priority Controls, and Zone-Specific Announcements



Features

- Z-FV208EV-AS loaded with 8 pre-recorded emergency messages (Alert, Evacuation, False Alarm, Clear, Message 1, Message 2, Message 3, Message 4)
- Link fire alarm system to Z-FV208EV-AS to broadcast automatic announcement during emergency
- Highest priority broadcast is given to announcements made via Z-FV208EV-AS's fireman microphone.
Next priority broadcast is given to timer, paging, and remote microphone on Z-FV200PP-AS
- 8 additional control in and out on Z-FV208EV-AS to connect to external devices (e.g. attenuator, led indicator etc)
- 4 additional Mic/Line and 2 Aux input on Z-FV200PP-AS
- Select interrupted or non-interrupted BGM with Z-FV200PP-AS
- Choice of amplifiers: Z-FV224PA-AS (240W) or Z-FV248PA-AS (480W)
- Connect up to 4 remote microphones (RM-200M) with Z-FV200RF-AS. Maximum 4 remote extension units (RM-210) per remote microphone
- Z-FV200RF-AS can control up to 50 speaker lines and all-zone calls
- Z-FV200CA-AS enables automatic changeover to a working standby amplifier when the duty amplifier becomes faulty
- Z-MP210-AS is built in with a speaker and LED display, allowing up to 10 amplifiers output can be selected and monitored
- Zone selector enables zone selection of music or paging up to 50 zones. Available models, Z-SS1010, Z-SS1010R and Z-SS2010





Z-FV208EV-AS Emergency Message Panel	
Power Source	Usable power supply unit : Z-FV200PS-AS 24 V DC (operating range : 19.5 - 27 V), M3 screw terminal
Current Consumption	200mA (rated) ; 100mA (standby)
Message Announcement	8 Messages : Alert, Evacuation, False, Clear, Message 1, Message 2, Message 3, Message 4 (Repeated Continuously)
Audio Input	Fireman's microphone (accessory): -55 dB*, 2.2k Ω , unbalanced, XLR connector SD/MMC card slot (up to 32GB, Type file : MP3 file)
Audio Output	EV : -20 dB*, unbalanced, Removable terminal block
Control Input	FA Input : Stop, 8 Messages contact input No-Voltage make contact input, open voltage : 24V DC, Short circuit current : under 5mA, Removable terminal block
Control Output	EV Output: contact switch (normally open), Removable terminal block 8 control outputs : Relay contact output, rated voltage : 24V DC
Frequency Response	20 - 20,000 Hz, ± 3 dB
Distortion	Under 1% (1 kHz, rated output)
Indicator	Power, Fire, Alert, Evacuation, False, Clear, Message 1, Message 2, Message 3, Message 4
Format File	MP3 File (Bit rate 320kbps)
Recording System	USB data transfer
Maximum Recording Time	25 minutes
Operating Temperature	0 °C to +40 °C
Operating Humidity	Under 90% RH (no condensation)
Finish	Front Panel : Aluminum, black, anodize ; Case : Steel Plate, Black, Painting
Dimensions	482 (W) X 100 (H) X 281 (D) mm
Weight	2.3 kg (with Microphone)
Accessory	Removable terminal plug (2 pins) x 4, Removable terminal plug (8 pins) x 4, Fireman's Microphone x 1,

* 0 dB = 1 V
- Specification measured at DC 24 V



Z-FV200PP-AS Pre-Amplifier Mixer Panel	
Power Source	Usable power supply unit : Z-FV200PS-AS 24 V DC (operating range : 19.5 - 27 V), M3 screw terminal
Current Consumption	110 mA
Audio Input	EV : -20 dB*, 600 Ω , unbalanced, removable terminal block (2 pins) Timer : -20 dB*, 600 Ω , unbalanced, removable terminal block (2 pins) Paging : -60/-20 dB* (selectable), 600 Ω , balanced, removable terminal block (3 pins) RF Link : 0 dB*, 600 Ω , unbalanced, removable terminal block (2 pins) MIC/LINE 1 - 4 : -60/-20 dB* (selectable), 600 Ω , balanced, removable terminal block (3 pins) AUX 1 - 2 : -20 dB*, 10 k Ω , unbalanced, RCA Jack
Audio Output	Priority output : 0 dB*, balanced, removable terminal block (3 pins) BGM output : 0 dB*, balanced, Removable terminal block (3 pins)
Control Input	Timer : No-voltage make contact input, open voltage : 24 V DC, short-circuit current : Under 5 mA, removable terminal block (2 pins) Paging : No-voltage make contact input, open voltage : 24 V DC, short-circuit current : Under 5 mA, removable terminal block (2 pins) EV : No-voltage make contact input, open voltage : 24 V DC, short-circuit current : Under 5 mA, removable terminal block (2 pins)
Control Output	All Call : Contact Switch (Normally Open), removable terminal block (2 pins)
Frequency Response	50 Hz - 15 kHz, ± 3 dB, 1 kHz
Muting	MIC/LINE 1 : Mutes other input signals (Mic/Line 2 - 4, AUX 1 - 2) by 0 - 30 dB attenuation
Phantom Power	MIC/LINE 1 (selectable) (+21 V DC)
Priority Control	Fireman's microphone > EV > Timer > Paging > Remote microphone > Mic / Line 1 > Mic / Line 2 - 4 & AUX 1 - 2
Tone Control	Bass : -10 dB at 100 Hz, +10 dB at 100 Hz (for INPUT BGM) Treble : -10 dB at 10 kHz, +10 dB at 10 kHz (for INPUT BGM)
S/N Ratio	Over 60 dB
Distortion	Under 1% (1 kHz, rated output)
LED Indicator	Power (Green)
Operating Temperature	0 °C to +40 °C
Operating Humidity	Under 90% RH (no condensation)
Finish	Front Panel : Aluminum, black, alumite
Dimensions	482 (W) X 88.4 (H) X 353.3 (D) mm
Weight	4.2 kg
Accessory	Removable terminal plug (2 pins) x 7, removable terminal plug (3 pins) x 8, Instruction Manual x 1

* 0 dB = 1 V
- Specification measured at DC 24 V



Z-FV224PA-AS Power Amplifier	
Power Source	AC : 220 - 230 V AC, 50/60 Hz DC : 24 V DC (operating range : 19.5 - 27 V) M4 screw terminal, distance between barriers : 12 mm
Power Consumption	AC at rated output : 565 W (condition : AC230V) AC at no signal : 22 W IEC60065 : 245 W
Current Consumption	DC at rated output : 15 A (condition : DC27V) DC at no signal : 0.3 A IEC60065 : 5.8 A
Rated Output	240 W
Input	2 parallel inputs, 0 dB*, 20 k Ω , balanced, removable terminal plug (3 pins) Input module VP-200VX (Option)
Output Impedance	21 Ω (70 V), 42 Ω (100 V)
Speaker Output	M4 screw terminal, distance between barriers : 12 mm
Control Output	Fault output : Make : Normal, Break : Error or Power Off
S/N Ratio	Over 60 dB
Total Harmonic	Under 1% (1 kHz, 1/3 rated output)
Distortion Frequency Response	80 Hz - 15 kHz, ± 3 dB, 1 kHz
Ventilation	Fan cooling
Led Indicator	Power (Green), Signal (Green), Peak (Red), Fault (Red)
Operating Temperature	0 °C to + 40 °C
Operating Humidity	Under 90% RH (no condensation)
Finish	Panel : Aluminum, black, alumite
Dimensions	482 (W) x 88.4 (H) x 337.2 (D) mm
Weight	13.4 kg
Accessory	Removable terminal plug (3 pins) x 3, Instruction manual x 1
Option	VP-200VX input module

* 0 dB = 1 V
- Specification measured at AC 230V AC, 50Hz



Z-FV248PA-AS Power Amplifier	
Power Source	AC : 220 - 230 V AC, 50/60 Hz DC : 24 V DC (operating range : 19.5 - 27 V) M4 screw terminal, distance between barriers : 12 mm
Power Consumption	AC at rated output : 1110 W (condition : AC230V) AC at no signal : 44 W IEC60065 : 480 W
Current Consumption	DC at rated output : 30 A (condition : DC27V) DC at no signal : 1.0 A IEC60065 : 10.9 A
Rated Output	480 W
Input	2 parallel inputs, 0 dB*, 20 k Ω , balanced, removable terminal plug (3 pins) Input module VP-200VX (Option)
Output Impedance	10 Ω (70 V), 21 Ω (100 V)
Speaker Output	M4 screw terminal, distance between barriers : 12 mm
Control Output	Fault output : Make : Normal, Break : Error or Power Off
S/N Ratio	Over 60 dB
Total Harmonic	Under 1% (1 kHz, 1/3 rated output)
Distortion Frequency Response	80 Hz - 15 kHz, ± 3 dB, 1 kHz
Ventilation	Fan cooling
Led Indicator	Power (Green), Signal (Green), Peak (Red), Fault (Red)
Operating Temperature	0 °C to + 40 °C
Operating Humidity	Under 90% RH (no condensation)
Finish	Panel : Aluminum, black, alumite
Dimensions	482 (W) x 132 (H) x 333.2 (D) mm
Weight	18.5 kg
Accessory	Removable terminal plug (3 pins) x 3, Instruction manual x 1
Option	VP-200VX input module

* 0 dB = 1 V
- Specification measured at AC 230V AC, 50Hz



Z-FV200RF-AS Remote Microphone Receiver Panel	
Power Source	Usable power supply unit : Z-FV200PS-AS 24 V DC (operating range : 19.5 - 27 V), M3 screw terminal
Current Consumption	230 mA
No. of Zone Groups in Speaker Selector	Max. 10 (Z-SS2010, Z-SS1010R)
Priority Control for Remote Microphone	Last-in-1st-out priority / 1st-in-1st-out priority / individual priority / selectable
Control Input	All call : 1 input, No-voltage make contact input, open voltage 24V DC, short-circuit current : Under 5 mA, removable terminal block (2 pins)
Control Output	SS Control : 55 outputs, open collector output, removable terminal block (6 pins)
Chime	Ascending 4-note tone
RF Link Audio Output	0 dB*, unbalanced, removable terminal block (2 pins)
RM Link Usable Remote mic No. of Connectable to Remote Mic Maximum Cable Distance	RM-200M Remote microphone extension unit : RM-210 (Max. 4 units) Max. 4 x RM-200M Total 800 m
S/N Ratio	Over 60 dB
Distortion	Under 1% (1 kHz, rated output)
LED Indicator	Power (Green), Error (Red)
Operating Temperature	0 °C to +40 °C
Operating Humidity	Under 90% RH (no condensation)
Finish	Front Panel : Aluminum, black, alumite
Dimensions	482 (W) X 44 (H) X 320 (D) mm
Weight	2.8 kg
Accessory	Removable terminal plug (2 pins) x 2, removable terminal plug (3 pins) x 1, removable terminal plug (6 pins) x 10, Instruction Manual x 1

* 0 dB = 1 V

- Specification measured at DC 24 V



Z-FV200PS-AS Power Supply Panel	
Power Source	220 - 230 V AC, 50/60 Hz 24 V DC (operating range : 19.5 - 27 V), M3 screw terminal
Power Consumption	160 W (275 VA) at rated power output (230 V AC operation)
Output	AC Operation : 24 V DC $\pm$ 1, 5A (total) DC Operation : Voltage lowering DC input voltage approx. by 2 V, M4 screw terminal
Display	AC Power (Green), AC Power (Orange)
Operating Temperature	0 °C to +40 °C
Operating Humidity	Under 90% RH (no condensation)
Finish	Front Panel : Aluminum, black, alumite
Dimensions	482 (W) X 44 (H) X 335 (D) mm
Weight	3.2 kg
Accessory	Power cable (YA-301 or YA-313)



Z-FV200CA-AS Amplifier Changeover Panel	
Power Source	24 V DC (operating range : 21.6 - 26.4 V), M3 screw terminal
Current Consumption	240 mA
No. of Input Channel	6 Duty Amplifier, 1 Standby Amplifier
No. of Output Channel	6 Output
Failure Detection	Fault Buzzer with buzzer control switch
LED Indicator	Power (Green), Changover (Orange), Fault / Buzzer Control (Red)
Operating Temperature	0 °C to +40 °C
Operating Humidity	Under 90% RH (no condensation)
Finish	Front Panel : Aluminum, black, alumite
Dimensions	482 (W) X 44 (H) X 343.8 (D) mm
Weight	2.6 kg
Accessory	Removable terminal plug (2 pins) x 3, removable terminal plug (8 pins) x 4



RM-200M Remote Microphone	
Power Source	24 V DC (operating range: 14 - 28 V DC) Power input jack : Non-polarity type Usable power input plug*: Outer diameter ϕ 5.5 mm, inner diameter ϕ 2.1 mm, length 9.5 mm
Current Consumption	100 mA or less
Audio Output	0 dB*, 600 Ω , balanced
Frequency Response	100 Hz - 20 kHz
Distortion	1% or less
S/N Ratio	60 dB or more
Microphone	Unidirectional electret condenser microphone
Function Key	Key numbers : 11 Function : Selecting zone from 1-10 and select "All Call"
Volume Control	Microphone volume control
Connection and Cable Connector	Category 5 Shielded Twisted-Pair straight cable, RJ45 connector
Finish	ABS resin, blueish gray (PANTONE 538 or its equivalent)
Dimensions	190 (w) x 76.5 (h) x 215 (d) mm (Gooseneck microphone excluded)
Weight	750 g
Accessory	Link cable (3 m) x 1
Option	Wall-Mounting Bracket : WB-RM200

*1 Use AC adapter AD-246 or equivalent

*2 0 dB = 1 V

RM-210 Remote Microphone Extension	
Current Consumption	20 mA max. (in terms of RM-200M's DC power input)
Connection	Connection to RM-200M by way of dedicated cable
No. of Function Keys	10
Finish	ABS resin, blueish gray (PANTONE 538 or its equivalent)
Dimensions	110 (w) x 76.5 (h) x 215 (d) mm
Weight	350 g
Accessory	Extension cable x 1, Linkage bracket A x 2, Linkage bracket B x 1, Screw for linkage bracket x 12
Option	Wall-Mounting Bracket : WB-RM200



Scan for more info



Specifications are subject to change without notice.