

Public Address System

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We supply sound, not equipment

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Mixer Amplifier

Package Amplifier

ZA-230W



Model	ZA-230W
Power Source	220V AC or 12V DC
Input	MIC 1-3 : -60dB* (1.0mV), 600Ω, Unbalanced, Phone Jack AUX : -24dB* (60mV), 10kΩ, Unbalanced, RCA pin jack
Output	Speaker Out : Floating Balanced; High Impedance : 330Ω(100V); Low Impedance: 4Ω(11V)
Weight	3.5kg

Mixer Power Amplifier

ZA-2128M



Model	ZA-2128M
Power Source	220V AC or 24V DC
Output	High Impedance (100V): 2 x 83Ω Low Impedance (4Ω): 2 x 22V Rec Out: 0dB, 600Ω, Unbalanced, RCA Pin Jack Pre Amp Out: 2 x 0dB, 600Ω, Unbalanced, RCA Pin Jack
Input	MIC 1: -60dB*, 600Ω, Balanced, Phone Jack, Echo MIC 2-3: -60dB*, 600Ω, Balanced, Phone Jack MIC 4-5: -60dB*, 600Ω, Balanced, Phone Jack AUX 1-3: -10dB*, 10kΩ, Unbalanced, RCA Pin Jack PWR AMP IN: 2 x 0dB*, 10kΩ, Unbalanced, RCA Pin Jack
Phantom Power	ON or OFF for Mic 1 with switch setting (+21VDC)
Weight	19.3kg

*0dB = 1V

Mixer Power Amplifier

- ZA-2030 30W
- ZA-2060 60W
- ZA-2120 120W
- ZA-2240 240W



Power Amplifier

ZP-2240 240W



Model	ZA-2030	ZA-2060	ZA-2120	ZA-2240	ZP-2240
Power Req	220 - 240V AC or 24V DC				
Input	MIC 1-3: -60dB*, 600Ω, Balanced, Phone Jack AUX 1,2: -20dB*, 10kΩ, Unbalanced, RCA Pin Jack				Line in: 0dB*, 10kΩ, Balanced, Screw terminal 100V Line in: 40dB*, 330kΩ unbalanced, screw terminal Power remote control: Make Contact
Output Speaker Out High Impedance Low Impedance (4Ω) Rec Out	Balanced (floating) 330Ω(100V), 170Ω(70V) 11V 0dB,600Ω,Unbalanced, RCA Pin Jack	Balanced (floating) 170Ω(100V), 83Ω(70V) 15.5V 0dB,600Ω,Unbalanced, RCA Pin Jack	Balanced (floating) 83Ω(100V), 42Ω(70V) 22V 0dB,600Ω,Unbalanced, RCA Pin Jack	Balanced (floating) 42Ω(100V), 21Ω(70V) 31V 0dB,600Ω,Unbalanced, RCA Pin Jack	Balanced (floating) 42Ω(100V), 21Ω(70V), 4Ω (31V)
Weight	5kg	7kg	10.8kg	13.2kg	

*0dB = 1V



Digital Mixer Amplifier

ZA-3200D-AS 1 Series

ZA-3212D-AS 1 120W

ZA-3224D-AS 1 240W

ZA-3248D-AS 1 480W



Model	ZA-3212D-AS 1	ZA-3224D-AS 1	ZA-3248D-AS 1
Power Source	100 - 240V AC, 50/60Hz	100 – 240V AC, 50/60Hz or 24V DC	
Input	MIC 1: 1mV (-60dB*), 600Ω, Balanced, Phone Jack, selectable to RJ45 with echo function MIC 2 - 3: 1mV (-60dB*), 600Ω, Balanced, phone jack MIC 4: 1mV (-60dB*), 600Ω, Balanced, phone jack, selectable to AUX 1 AUX 1: 100mV(-20dB*), 10kΩ, Unbalanced, RCA pin jack, selectable to MIC 4 AUX 2: 100mV(-20dB*), 10kΩ, Unbalanced, RCA pin jack		
Output	Speaker output in screw type terminal		
Speaker Out			
Direct line (Selectable)	83Ω(100V) or 4Ω	42Ω(100V) or 4Ω	21Ω(100V) or 4Ω
Rec Out	0dB*, 600Ω, Unbalanced, RCA pin jack		
Phantom Power	DC +21V (MIC 1)		
Weight	4.6kg	5.1kg	5.4kg

*0dB = 1V

Digital Power Amplifier

ZP-3248D-AS 1



Model	ZP-3248D-AS 1
Power Source	100 - 240V AC, 50/60Hz or 24V DC
Input	Line In: 0dB*, 10kΩ, Balanced, screw terminal 100V Line In: 40dB*, 30kΩ, Unbalanced, screw terminal
Output	Speaker output in screw type terminal
Speaker Out	
Direct line (Selectable)	21Ω(100V) or 4Ω
Loop Out	0dB*, 10kΩ, balanced, screw terminal
Weight	5.2kg



Car Amplifier

ZA-250S



Model	ZA-250S
Output	25W Rated
Input	Mic 600Ω unbalanced. Aux: 10kΩ unbalanced
Speaker Output	4Ω-8Ω
Weight	1.1kg

Horn Speaker

Paging Horn Speaker

ZH-610S | ZH-610SM
ZH-615S | ZH-615SM
ZH-625S | ZH-625SM



Model	ZH-610S	ZH-610SM	ZH-615S	ZH-615SM	ZH-625S	ZH-625SM
Rated Input	10W		15W		25W	
Rated Impedance	8Ω	100V Line: 10W, 5W, 3W, 1W	8Ω	100V Line: 15W, 10W, 5W, 3W	8Ω	100V Line: 25W, 15W, 10W, 5W
Sound Pressure Level (1W/1m)	≥ 107dB		≥ 109dB		≥ 110dB	
Weight	1kg	1.2kg	1.1kg	1.3kg	1.7kg	2.1kg

Horn Speaker

ZH-615R | ZH-615RM



Model	ZH-615R	ZH-615RM
Rated Input	15W	
Rated Impedance	8Ω	100V Line: 670Ω (15W), 1kΩ(10W), 2kΩ(5W), 3.3kΩ(3W)
Sound Pressure Level (1W/1m)	110dB	
Weight	1.1kg	1.3kg

ZH-5025B/5025BM



Model	ZH-5025B	ZH-5025BM
Rated Input	25W	
Rated Impedance	16Ω	100V line: 25W, 15W, 10W, 5W
Sound Pressure Level (100W/1m)	108dB	
Frequency Response	200 - 6.500Hz	
Weight	3.9kg	4.2kg

ZH-5050-AS/ZH-5050M-AS



Model	ZH-5050-AS (Tanpa Transformer)	ZH-5050M-AS (Dengan Transformer)
Rated Input	50W	
Rated Impedance	16Ω, Low Impedance	100V line: 200Ω (50W), High Impedance
Sound Pressure Level (100W/1m)	110dB(1W,1m)	
Frequency Response	160Hz - 6kHz	
Weight	4.4kg	5kg

Driver Unit

ZH-662D-AS (a)
ZH-662MD-AS (b)



Model	ZH-662D-AS	ZH-662MD-AS
Horn	ZH-652T	
Rated Input	60W	
Rated Impedance	16Ω	100V Line: 170Ω (60W), 330Ω (30W), 670Ω (15W)
Sound Pressure Level (1W/1m)	110dB (1W, 1m)	
Frequency Response	150 - 8.000Hz (when operated with JIS C5504 standard horn)	
Weight	2kg	2.7kg

Column Speaker

Metal Case Column Speaker

ZS-102C



ZS-202C



Model	ZS-102C	ZS-202C
Rated Input	10W	20W
Rated Impedance (100V Line)	1k Ω (10W), 2k Ω (5W)	500 Ω (20W), 1k Ω (10W)
Sound Pressure Level (1W/1m)	90dB	93dB
Frequency Response	150 - 10.000Hz	
Color	Casing: Silver Gray; Grille: Black	
Weight	3.4kg	5.1kg

Column Speaker

ZS-203CW ZS-203CB



ZS-403CW ZS-403CB



ZS-603CW ZS-603CB



Model	ZS-203CB	ZS-203CW	ZS-403CB	ZS-403CW	ZS-603CB	ZS-603CW
Rated Input	20W		40W		60W	
Rated Impedance (100V Line)	500 Ω (20W), 1k Ω (10W), 2k Ω (5W), 4k Ω (2.5W)		250 Ω (40W), 500 Ω (20W), 1k Ω (10W), 2k Ω (5W)		170 Ω (60W), 330 Ω (30W), 670 Ω (15W), 1,3k Ω (7.5W)	
Rated Impedance (70V Line)	500 Ω (10W), 1k Ω (5W), 2k Ω (2.5W), 4k Ω (1.3W)		250 Ω (20W), 500 Ω (10W), 1k Ω (5W), 2k Ω (2.5W)		170 Ω (30W), 330 Ω (15W), 670 Ω (7.5W), 1,3k Ω (3.8W)	
Sound Pressure Level (1W/1m)	90dB		93dB		95dB	
Frequency Response	150 - 16.000Hz					
Weight (Unit only)	1.9kg		3.5kg		5.5kg	

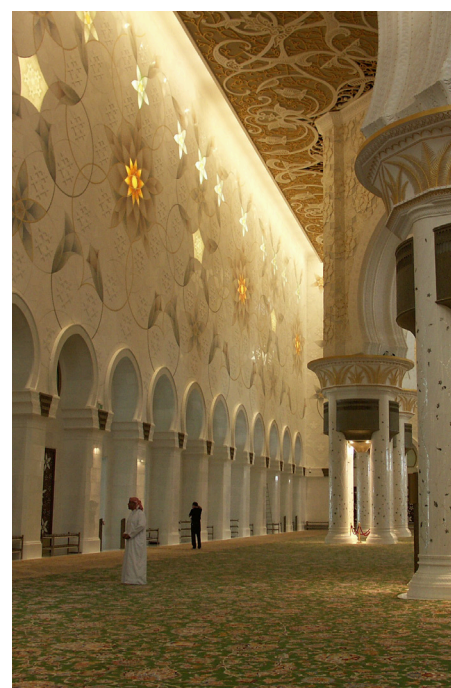
Slim Array Speaker

ZS-S60CW (a)

ZS-S60CB (b)



Model	ZS-S60CW/CB
Type	Bass reflex type
Max.Input Power	120W
Rated Input	60W
Rated Impedance	100V line: 167 Ω (60W), 330 Ω (30W), 500 Ω (20W), 1k Ω (10W); low impedance: 8 Ω
Sound Pressure Level (1W/1m)	95dB
Frequency Response	180Hz-15kHz
Weight	8.2kg



Ceiling Speaker

Flush Mount Ceiling Speaker

ZS-645R



ZS-646R



ZS-658R



Model	ZR-645R	ZR-646R
Rated Output	6W	
Impedances	100V Line: 1.7k Ω (6W), 3.3k Ω (3W), 6.7k Ω (1.5W), 13k Ω (0.8W) 70V Line: 1.7k Ω (3W), 3.3k Ω (1.5W), 6.7k Ω (0.8W), 13k Ω (0.4W)	
Frequency Response	100-12.000Hz	
Sound Pressure Level (1W/1m)	90dB	
Weight	610g	620g

Model	ZR-658R
Rated Output	6 W (100 V Line), 3 W (70 V Line)
Rated Impedance	100 V Line: 1.7 k Ω (6 W), 3.3 k Ω (3 W), 10 k Ω (1 W) 70 V Line: 1.7 k Ω (3 W), 3.3 k Ω (1.5 W), 10 k Ω (0.5 W)
Sensitivity	90dB (1W/1m)
Frequency Response	65 Hz - 18 kHz
Weight	500g



Box Speaker

ZS-062



Model	ZS-062
Rated Input (100V line)	6W
Frequency Response	100 - 12.000Hz
Sound Pressure Level (1W/1m)	90dB
Weight	2.1 kg

2-Way Universal Speaker

ZS-1030B/W



Model	ZS-1030B	ZS-1030W
Rated Input	30W	
Rated Impedance	8 Ω 100V line: 330 Ω (30W), 500 Ω (20W), 670 Ω (15W), 1k Ω (10W), 2k Ω (5W) 70V line: 170 Ω (30W), 250 Ω (20W), 330 Ω (15W), 500 Ω (10W), 1k Ω (5W)	
Sound Pressure Level (1W/1m)	90dB	
Frequency Response	70 - 20.000Hz	
Weight	2.5kg	

Microphone

Unidirectional Microphone

ZM-260



ZM-320



ZM-420



ZM-520



ZM-270



Model	ZM-260	ZM-320	ZM-420	ZM-520	ZM-270
Type	Dynamic Microphone				Moving Coil Microphone
Directivity	Unidirectional				
Rated Sensitivity	-75dB $\pm$ 3dB(at 1kHz)	-76dB $\pm$ 3dB(at 1kHz)	-72dB $\pm$ 3dB(at 1kHz)	-70dB $\pm$ 3dB(at 1kHz)	-50dB (1kHz, 0dB = 1V/Pa)
Frequency Response	100Hz - 12kHz	100Hz - 12kHz	80Hz - 13kHz	50Hz - 16kHz	100Hz - 15kHz
Weight	420g (without cable)	304g (without cable)	280g (without cable)	232g (without cable)	315g (without cable)



Tie Clip Microphone

ZM-361-AS



Model	ZM-361-AS
Type	Electret Condenser Microphone
Directivity	Unidirectional
Sensitivity	-35dB (1kHz, 0dB = 1 V/Pa)
Frequency Response	100 - 18.000Hz
Finish	Case: ABS Black
Weight	153g (without battery)

Neck Worn Microphone

ZM-362-AS



NEW

Model	ZM-362-AS
Type	Electret Condenser Microphone
Sensitivity	-35dB, $\pm$ 3dB (1kHz 0dB = 1V/Pa)
Frequency Response	60 - 20.000Hz
Finish	Battery case unit, switch unit, mic unit : ABS resin, Black Flexible Shaft : Cooper Alloy, Black, Paint, Shield Tube Wire Hanger : Steel wire shield rubber, Black, Paint
Weight	190g (exclude batteries)

Headset Microphone

ZM-370HS-AS



NEW

Model	ZM-370HS-AS
Type	Electret Condenser Microphone
Directivity	Unidirectional
Rated Sensitivity	-51dB (1kHz, 0dB = 1V/Pa)
Frequency Response	50Hz - 12.000Hz
Weight	142g (without battery)
Battery	1pc x AA (R6S or UM-3U)

Gooseneck Microphone

ZM-380-AS

ZM-380C-AS



Model	ZM-380-AS	ZM-380C-AS
Element	Condenser Microphone	Condenser Microphone (with 4-Tones Chime (Up/Down)
Polar Pattern	Cardioid	
Rated Sensitivity	-39dB ±1dB (1kHz, 0dB = 1V/Pa)	-41dB ±3dB (1kHz, 0dB = 1V/Pa)
Power	3V DC (2 x “AA Batteries) or phantom power (9-52V)	6V DC (4 x “AA Batteries) or DC adapter (9-24V)
Frequency Response	50-16kHz	50-18kHz
Weight	550g (excludes batteries)	558g (excludes batteries)

Condenser Microphone

ZM-300-AS



Model	ZM-300-AS
Power Source	AA (R6S or UM-3U) battery x 1pc (1.5VDC)
Type	Electret Condenser Microphone
Polar Pattern	Hyper Cardioid
Sensitivity	-49dB (1kHz, 0dB = 1V/Pa)
Frequency Response	50Hz -18kHz
Weight	254g (Microphone Only)

Megaphone

Hand Grip Megaphones

ZR-510

ZR-510S



Model	ZR-510	ZR-510S
Rated Output	6W	
Power Source	12V DC R6P (SUM-3)/ “AA” Batteries 8pcs	
Weight	620g	

ZR-1015

ZR-1015S



Model	ZR-1015	ZR-1015S
Rated Output	15W	
Power Source	9V DC R14P (SUM-2)/“C” Batteries 6pcs	
Weight	970g	980g

Shoulder Megaphones

ZR-2015

ZR-2015S

ZR-2015W



Model	ZR-2015	ZR-2015S
Rated Output	15W	
Power Source	9V DC R14P (SUM-2)/ “C” Batteries 6pcs	
Sirene Mode	-	Push to Talk, override the sirene signal
Weight	970g	980g
Microphone Weight	130g(cable excluded)	

Wireless Tuner

ZW-T502H-AS



Model	ZW-T502H-AS
Power Source	AC Adapter : 100 - 240V AC, 50/60Hz
Power Consumption	200mA (13.5V DC, when operating with two tuner modules)
Receiving Frequency	488MHz - 506MHz
Weight	380g (Without Microphone)



Wireless Amplifier

Wireless Meeting Amplifier

ZW-G10CB-AS



Model	ZW-G10CB-AS
Power Source	AC In: 220-240V, 50/60Hz; DC In: 12V 1A, Max.18V; DC: 12V/2.3Ah (Rechargeable Battery)
Power Consumption	AC: 20W, 0.1A (at Rated Output); DC: 30W, 1.6A (at Output Power Max)
Output Power	20W Max
Frequency Response	60Hz - 20kHz, ± 3 dB
Inputs	Mic 1&2: -40dB* Unbalanced 5k Ω , 2 Pole-Phone Jack; AUX in: -20dB*, Unbalanced 10k Ω , RCA Pin Jack
Outputs	Audio Out: -25dB*, Unbalanced 40k Ω , RCA Pin Jack; Speaker Out: 8- 16 Ω , RCA Pin Jack
Source	Handheld Microphone, Frequency Range 180 - 200MHz; RF Power Output <10mW; Body Pack Microphone (can be used with Tieclip Mic or Headset Mic), Frequency Range 180 - 200MHz; RF Power Output <10mW; USB Player (support up to 32GB), recording function, Type of File (MP3 file and Wav file) SD/MMC Card Player (support up to 32GB), recording function, Type of File (MP3 file and Wav file) Bluetooth Connection, Class 2, Freq. : 2400 - 2483.5MHz, CH : 0-78, Max. RF Transmit Power +4dBm; Cassete Player, recording function FM Radio (88 - 108Mhz)
Weight	3.8kg
Accessory	Power Cord (1.5m) x 1; Remote Control x 1; and inside the battery type CR2025 3V x 1; Handheld Wireless Mic x 1; Body Pack Wireless Mic x 1; Headset Mic x 1; Tieclip Mic x 1

*0dB: 1V; Specification are measured on 220V AC

Foreground Music Speaker System

Wide Dispersion Speaker

ZS-F2000BM



Model	ZS-F2000BM/WM	ZS-F2000BMWP/WMWP	IPX4
Rated Input	60W		
Rated Impedance (100V Line)	100V Line: 170Ω(60W), 330Ω(30W), 670Ω(15W), 3.3kΩ(3W)		
Sound Pressure Level (1W/1m)	92dB		
Frequency Response	65 - 20.000Hz, -10dB installation in 1/2 free sound field		
Speaker Component	Low: 20cm cone, High: 2.5cm dome tweeter		
Weight	7.4kg (including the supplied brackets)		



IPX4 Weatherproof

Accessories

Matching Transformer

ZT-351



Model	ZT-351
Impedance (Input Power)	Primary: Com, 10W, 15W, 20W, 25W. Secondary: Com, 4Ω, 8Ω, or 16Ω
Frequency Response	100 - 6.000Hz
Weight	0.9g

Attenuator

ZV-064

ZV-303



Model	ZV-064	ZV-303
Input Capacity	6W	30W
Level Control	4 step; 0(OFF), 1,2,3	
Weight	190g	

Diaphragm

ZG-10CA



Model	ZG-10CA
Applicable Driver Units	ZH-625S, ZH-625SM
Rated Input	30W (When operated with ZR-2230W)
Rated Impedance	8Ω
Sound Pressure Level	107dB (1W,1m)
Frequency Response	300 - 6.500Hz
Dimensions	φ76 x 39(D)mm
Weight	11g

ZG-30DA
ZG-30DB



Model	ZG-30DA	ZG-30DB
Applicable Driver Units	ZH-5025B, ZH-5025BM	ZH-5025B, ZH-5025BM, ZH-5050M, ZH5050
Rated Input	25W	50W
Rated Impedance	16Ω	
Sound Pressure Level	110dB(1W,1m)	
Frequency Response	150 - 6.000Hz	
Dimensions	φ104 x 24(D)mm	
Weight	24g	

ZG-50A
ZG-60BA



Model	ZG-50A	ZG-60BA
Applicable Driver Units	ZH-662D-AS, ZH-662MD-AS	ZH-610S/SM, ZH-615S/SM, ZH-615R/RM, ZR-1015/S, ZR-2015/S/SP/W, ZR-510/S, ZR-604W, ZR-1215, ZR-3215/S, ZR-2215/W
Rated Input	60W	15W (When operated with ZH-615S)
Rated Impedance	16Ω	8Ω
Sound Pressure Level	112dB (1W,1m)	109dB (1W,1m)
Frequency Response	150 - 8.000Hz	333 - 10.511Hz
Dimensions	φ104 x 13(D)mm	φ64 x 28,6(D)mm
Weight	35g	8,81g



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