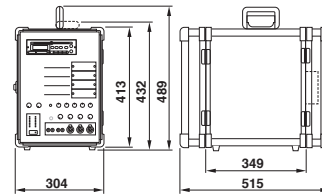
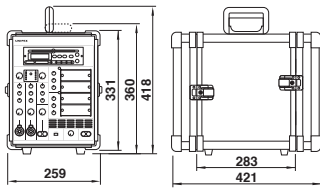


Carrying Amplifiers The best product for Company events, Recreation and Sport contest etc.

CGA-200 / <CGA-200DA>

CGA-704CDA



Compact design integrates various functions and user-friendliness, and is easy to set up and store.

The new CGA series with high power and stereo sound have a good reputation in sport contest, school event and any other events or parties in Japan. Maximum 4 wireless tuner (800/300MHz band) can be installed in order to satisfy with any requirements in events and parties.

Easy to connect microphone: Both XLR type and Phone type plugs are available.

Speed control: Built-in CD player type (CGA-200DA, CGA-704CDA) have speed control function.

The new CD player has various functions not only music CD but also CD-R/RW, SD/SDHC card and play of USB (Play only).

(Compatible file format :MP3/WMA)

CGA-704CDA can connect speakers with both high and low impedance, has DC power supply terminal.

Power supply	AC 100V only 50/60Hz
Rated power	75W
Current consumption	AC 4.1A (at rated output)
Rated output	100W (4Ω) x 2
Output road impedance	4Ω~16Ω x 2, Unbalanced
Recording output	-10dBV ±3dB, 2.2kΩ Unbalanced, RCA pin jack x 2
Line output	0dBV ±3dB, 600Ω Unbalanced, Phone jack
Frequency response	50Hz~18kHz ±3dB(at Line input, -10dB rated output) 100Hz~10kHz ±3dB(at Mic input, -10dB rated output)
Tone control	Bass: 100Hz ±10dB(1kHz basic, -10dB rated output) Treble: 10kHz ±10dB(1kHz basic, -10dB rated output)
Inputs	MIC 1, 2: -62dBV 600Ω Electrically balanced with volume control LINE: -22dBV 10kΩ, Unbalanced with volume control
S/N ratio	65dB (with 22kHz low pass filter)
Antenna input	BNC connector x 2, with Antenna sensitivity control Phantom power supply (wireless microphone antenna AA-382 installable)
Finish	Panel (Steel): Half-matt Black Case (Aluminum): Silver, Anodized aluminum finishing
Mass	Approx. 9.1kg Approx. 10.2kg <CGA-200DA>

Power supply	AC 100V only 50/60Hz, DC 14V (12V battery)
Rated power	120W
Current consumption	AC 2.8A, DC 11A (at rated output)
Rated output	35W (4Ω or 290Ω) x 2
Output road impedance	290Ωx 2 (100V line), Balanced 4~16Ωx 2 (Low impedance), Unbalanced
Recording output	-10dBV ±3dB, 2.2kΩ Unbalanced, RCA pin jack
Line output	0dBV ±3dB, 600Ω Unbalanced, Phone jack
Frequency response	50Hz~18kHz ±3dB, (at Line input, -10dB rated output) 100Hz~10kHz ±3dB, (at MIC input, -10dB rated output)
Tone control	100Hz, 330Hz, 1kHz, 3.3kHz, 10kHz 5-points equalizer ±10dB
Inputs	MIC1~3: -62dBV ±3dB, 600Ω Electrically balanced with volume control Wireless tuner unit 1~4: -26dBV ±3dB, 10kΩ Unbalanced Line: -22dBV ±3dB, 10kΩ Unbalanced
S/N ratio	65dB
Antenna input	BNC connector x 2 with Antenna sensitivity control Phantom power supply (wireless microphone antenna AA-382 installable)
Finish	Panel (Steel): Half-matt Black Case (Aluminum): Silver, Anodized aluminum finishing
Mass	Approx. 18.8kg

<CD deck section> <CGA-200DA>

Media	CD, CD-R, CD-RW (Applicable: 12cm only) SD, SDHC (~32GB without SDXC) USB (~32GB)
Audio companding system	MP3, WMA
Frequency response	20Hz~20kHz ±1dB
Speed control	±15%
Function	Repeat-play(Single, All, Folder, A-B), All random-play, Folder random-play, Program-play

<CD deck section>

Media	CD, CD-R, CD-RW (Applicable: 12cm only) SD, SDHC (~32GB without SDXC) USB (~32GB)
Audio companding system	MP3, WMA
Frequency response	20Hz~20kHz ±1dB
Speed control	±15%
Function	Repeat-play(Single, All, Folder, A-B), All random-play, Folder random-play, Program-play

Option

Wireless tuner unit / DU-8200(800MHz, Diversity), DU-3200A(300MHz, Diversity), SU-3000A(300MHz, Single) Digital recorder unit / SDU-100 Input unit / EU-300 Antenna / AA-382

800MHz band Tuner unit

DU-8200 (Diversity)



Power supply	DC 12V (Supplied from built-in equipment)
Current consumption	Approx. 100mA
Receiving frequency	806.125MHz~809.750MHz (30 channels at 125kHz intervals)
Receiving scheme	PLL control superheterodyne
Rated output	-30dBV
Frequency response	50Hz~15kHz (at 1kHz basis, 50μs emphasis)
Finish	Panel (ABS resin): Black Case (Plated sheet steel)
Mass	Approx. 200g

300MHz band Tuner unit

DU-3200A (Diversity)



Power supply	DC 12V (Supplied from built-in equipment)
Current consumption	Approx. 100mA
Receiving frequency	322.025MHz~322.150MHz, 322.250MHz~322.400MHz (13 channels at 25kHz intervals)
Receiving scheme	PLL control superheterodyne
Rated output	-20dBV
Frequency response	50Hz~7kHz (at 1kHz basis, 50μs emphasis)
Finish	Panel (ABS resin): Black Case (Steel plate)
Mass	Approx. 200g

SU-3000A (Single)



Power supply	DC 12V (Supplied from built-in equipment)
Current consumption	Approx. 65mA
Receiving frequency	322.025MHz~322.150MHz, 322.250MHz~322.400MHz (13 channels at 25kHz intervals)
Receiving scheme	PLL control superheterodyne
Rated output	-20dBV
Frequency response	50Hz~7kHz (at 1kHz basis, 50μs emphasis)
Finish	Panel (ABS resin): Black Case (Steel plate)
Mass	Approx. 165g

800MHz band Microphone

WM-8400 (Splash-proof type) JIS C 0920 IEC 60529 (IP65)



Transmit frequency	806.125MHz~809.750MHz (30 channels at 125kHz intervals)
Transmitting output	2mW/6mW (selectable)
Antenna	Built-in antenna
Microphone	Unidirectional electret condenser microphone
Frequency response	100Hz~10kHz (at 1kHz basis, 50μs emphasis)
Battery	Dry cell battery R6PU (AA size) x 1
Current consumption	45mA (2mW) / 65mA (6mW)
Battery life	Approx. 18hours (2mW, continuous use at normal temperature) Approx. 14hours (6mW, continuous use at normal temperature)
Finish	(ABS resin): Stone silver
Mass	Approx. 180g (including battery)

300MHz band Microphone

WM-3400 (Splash-proof type) JIS C 0920 IEC 60529 (IP65)



Transmit frequency	322.025MHz~322.150MHz, 322.250MHz~322.400MHz (13 channels at 25kHz intervals)
Transmitting output	1mW
Antenna	Built-in antenna
Microphone	Unidirectional electret condenser microphone
Frequency response	100Hz~7kHz (at 1kHz basis, 50μs emphasis)
Battery	Dry cell battery R6PU (AA size) x1
Current consumption	45mA (at normal temperature, 1.5V)
Battery life	Approx. 16hours (at continuous use, normal temperature)
Finish	(ABS resin): Stone silver
Mass	Approx. 180g (including battery)

Antenna

AA-382



Antenna	Whip antenna
Receiving frequency	322.000MHz~322.400MHz, 806.000MHz~810.000MHz
Impedance	75Ω
Connector	BNC connector
Mass	Approx. 17g

CD/SD/USB Player Unit

CDU-104



Supply voltage	DC12V (supplied from built-in equipment)
Current consumption	300mA
Media	CD (Applicable: 12cm only) SD, USB
Frequency response	20Hz~20kHz ±1dB
S/N ratio	80dB
Dynamic range	80dB
Speed control	±15%
Function	Repeat-play(Single, All, Folder, A-B), All random-play, Folder random-play, Program-play
Finish	Panel (ABS resin): Half-matt Black
Mass	Approx. 1.1kg

Input Unit

EU-300



Impossible to connect wired microphone or electric music instrument with 4 sensitivity setting.

Supply voltage	DC12V (supplied from built-in equipment)
Current consumption	10mA
Rated output	-26dBV ±3dB 600Ω, Unbalanced
Frequency response	50Hz~20kHz ±3dB
Inputs	(Selectable by switch) -62dBV 600Ω Unbalanced -42dBV 600Ω Unbalanced -22dBV 10kΩ Unbalanced -2dBV 10kΩ Unbalanced
Finish	Panel (ABS resin): Black Case (Plated sheet steel)
Mass	Approx. 170g

Digital Recorder Unit

SDU-100



Digital recorder unit with SD card. Compared to existing Cassette tape deck, SDU-100 has no driven section as motor so that it can upgrade durability performance. MP3 (MPEG Audio Layer-3) as audio companding system can be made high quality and clear sound without degradation. Direct recording with input terminal. Various Functions: Skip, FF/Rewind, Repeat, Erase and Recording. Possible to record long time up to 30 hours with SD card (2GB), at 128Kbit encode.

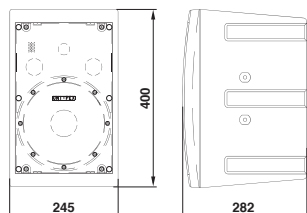
Supply voltage	DC12V (supplied from built-in equipment)
Current consumption	160mA (Playback, at 13V), 180mA (Recording, at 13V) 220mA (Playback, at 9V), 280mA (Recording, at 9V)
Usable SD card	SDA compliant SD card (16MB~2GB, excluding SDHC)
Audio companding system	MP3 (MPEG1 Audio Layer3)
Playback bit rate	32kbps~320kbps
Recording bit rate	128kbps (Sampling frequency 44.1kHz)
Frequency response	20Hz~20kHz ±20dB
Search function	Forward and back one music each
Input sensitivity	Recording: -10dBV ±3dB, 10kΩ
Rated output	-26dBV ±3dB, 10kΩ
Finish	Case (ABS resin): Half-matt Black
Mass	Approx. 230g

2-way Speakers

EWS-120 (Splash-proof type)



High power splash-proof speaker (IPX4) for outside events with code (20m). Powerful sound reinforcement and clear speech announcement are available as high as indoors use even when in outdoors. Easy to connect to Speakon jack.

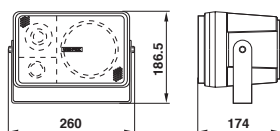


Rated input	120W (RMS/EIA), 240W (PGM)	Option Speaker stand ST-25
Impedance	8Ω	
SPL	93dB (1W/1m)	
Frequency response	60Hz~20kHz ±20dB	
Diffusion(-6dB)	100°x 100°(horizontal x vertical)	
Drivers	Φ200mm Cone type woofer Φ25mm Dome type tweeter	
Connector	Neutrik Speakon NLT4MP-BAG	
Finish	Enclosure, Baffle (PP resin): Half-matt Black Punching metal (Aluminum): Half-matt Black	
Mass	Approx. 7.0kg	

JIS C 0920
IEC 60529 (IPX4)

EWS-50C

Compact speaker with high quality sound and durability. EWS-50C ensures high performance with clear sound over wide frequency range.



Rated input	50W (RMS/EIA)	Option Spaker cord LS-1204 Speaker stand ST-80
Impedance	8Ω	
SPL	89dB (1W/1m)	
Frequency response	80Hz~20kHz ±20dB	
Drivers	Φ120mm Dynamic cone woofer Φ20mm Dome type tweeter	
Connector	XLR type connector	
Finish	Enclosure (PS resin): Matt Black Baffle (MIPS resin): Matt Black Punching metal (Aluminum): Matt Black Bracket (Steel): Matt Black	
Mass	Approx. 3.2kg	

Speaker Cord

LS-1204 (for EWS-50C)



Type XLR connector
Length 20m

Speaker Stands

ST-25 (for EWS-120)



Adjustable height 1310~2105 mm
Mass Approx. 3.8kg

ST-80 (for EWS-50C)



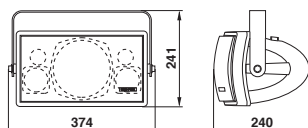
Adjustable height 1120~1790 mm
Mass Approx. 2.4kg

Splash-proof Speaker Good drainage can be available for using indoor and outdoor.

FWS-40T



FWS-40T is yet compact size designed for high performance and wide directional. Clear sound is available even when playing BGM. Built in matching transformer type.



Rated input	40W (RMS/EIA)
Impedance	250/330/500Ω (100V line)
SPL	94dB (1W/1m)
Frequency response	70Hz~20kHz ±20dB
Drivers	Φ160mm Cone type woofer Φ70mm Dome type tweeter x 2pcs
Connector	Socket (changeable)
Finish	Enclosure, Baffle (PP resin): Half-matt Black Punching metal (Aluminum): Half-matt Black Bracket (Steel): Half-matt Black
Mass	Approx. 5.4kg

JIS C 0920
IEC 60529 (IPX4)