TOA

TS-790 Series

Conference & PA System



TS-790 Series

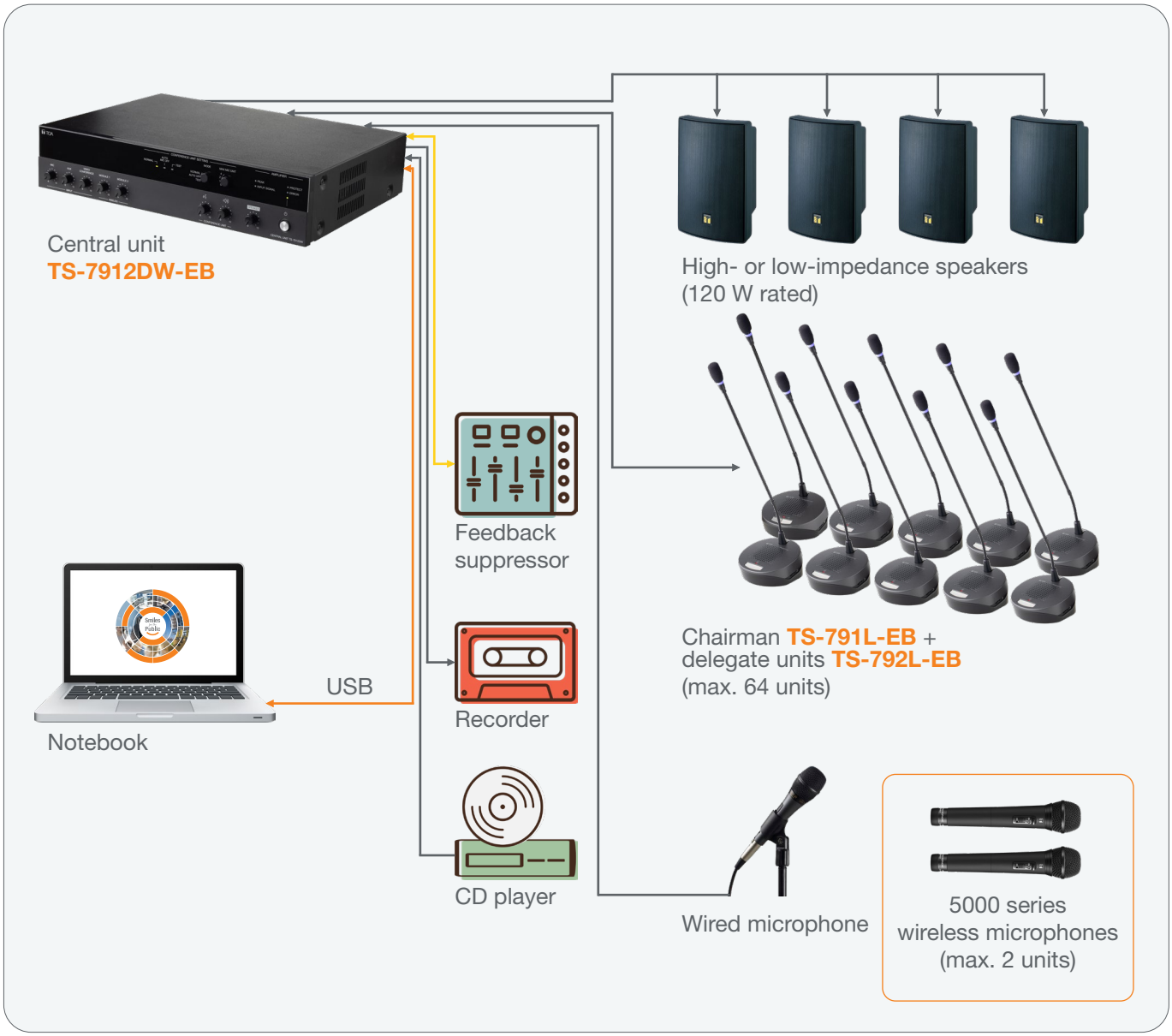
Conference System



System Benefits

- Convenient and compact all-in-one conference & PA system
- Built-in 120 W class D amplifier with selectable high- and low-impedance output
- Easy open mic identification with blue LED indicator on microphone
- Equipped with 2 tuner slots for connection with wireless mic system
- Up to 64 units can be connected per central unit
- Suitable for medium-scale corporate boardrooms and meeting rooms
- USB audio interface for web meetings or audio recording
- Test function allows connections to be accurately verified

System Example



Specifications





Specifications	TS-7912DW-EB Central Unit
Power source	100 - 240 V AC, 50/60 Hz
Rated output	120 W (speaker output)
Power / current consumption	235 W (rated output, 64 units) 85 W (1/8 of rated output, 64 units) 200 mA or less (when power switch is OFF)
Frequency response	20 Hz to 20 kHz ±3 dB
Distortion	1 % or less at 1 kHz (20 kHz LPF (AUX-0025))
Tone control	Bass: ±10 dB at 100 Hz, Treble: ±10 dB at 10 kHz (speaker out)
Signal-to-noise ratio	83 dB or more (speaker volume: min) 76 dB or more (speaker volume: max, input volume: min) 55 dB or more (speaker volume: max, input volume: max) (A-weighted)
Audio input	Mic: -60 dB* (unbalanced) / -41 dB* (balanced) selectable, 600 Ω, Ø 6.3mm phone jack Note: MIC input is equipped with phantom power (24 V DC, ON/OFF switchable) AUX IN: -20 dB*, 10 kΩ, unbalanced, RCA pin jack x 2 Module 1, 2: -20 dB*, 10 kΩ, compatible wireless tuner module WTU-M9800-EB
Audio output	SPEAKER OUT: High impedance (100 V line / total 83 Ω) / Low impedance (4-16 Ω) selectable, removable terminal block (3 pins) REC OUT: -10 dB*, 10 kΩ, unbalanced, RCA pin jack x 2
Equalizer RETURN / SEND terminal	-10 dB*, 10 kΩ, unbalanced, RCA pin jack, ON/OFF switchable
Video conference IN/OUT terminal	-10 dB*, 10 kΩ, unbalanced, RCA pin jack USB Audio Type-B port (for PC) Audio streaming data-in: 11.025/16/22.05/32/44.1/48 kHz sampling frequency (selectable on PC), 16-bit PCM Audio streaming data-out: 32/44.1/48 kHz sampling frequency (selectable on PC), 16-bit PCM
Chairman / delegate units terminal	LINE 1, 2: 8 pins DIN socket
No. of connectable Chairman / delegate units	Max. 64 units
Conference unit setting	MODE switch: NORMAL / AUTO OFF / TEST MAX MIC UNIT switch: Number of delegate units can be turned on microphone set to 0, 1, 2 or 4
Priority speech chime	Operation of chairman unit's priority button activates a single-tone chime (with volume control)
Volume control	MIC volume, AUX volume, VIDEO CONFERENCE volume, MODULE 1 volume, MODULE 2 volume, SPEAKER volume, microphone and monitor speaker of conference unit volume, CHIME volume
LED indicators	Power (Green) Amplifier: INPUT SIGNAL (green), PEAK (red), PROTECT (red), ERROR (red) Conference unit setting: NORMAL (green), AUTO MIC OFF (green), TEST (red)
Finish	Panel: ABS resin, black Case: Surface-treated steel plate, black, paint
Dimensions	420 (W) x 96.1 (H) x 313.1 (D) mm
Weight	5.2 kg
Accessory	Power cord (2 m) x 1 USB cable (3 m) x 1 Speaker out removable terminal plug (5 mm, 3 pins) x 1
Option	Rack mounting bracket: MB-25B Extension cord: YR-790-3-EB, YR-790-10-EB Wireless tuner module: WTU-M9800-EB with 5000 series wireless microphones

* 0 dB = 1 V

Specifications





Specifications	TS-791L-EB Chairman Unit with Microphone	TS-792L-EB Delegate Unit with Microphone
Power source	36 V DC, 30 mA or less (supplied from central unit TS-7912DW-EB)	
Output	Headphone / Recording: Ø3.5 mm, mini jack (3P: monaural) x 2 Internal Speaker: 130 Ω, 200 mW	
Control	Speech: Microphone, speaker on-off control by speech button Priority: Microphone, speaker on-off, other microphone cut off and single-tone chime activation by priority button Volume control: Headphone / Recording and internal speaker volume adjustable x 2	Speech: Microphone, speaker on-off control by speech button Volume control: Headphone / Recording and internal speaker volume adjustable x 2
Microphone unit Directivity Impedance Sensitivity Frequency response LED indicator Length / Weight	Electret condenser microphone Unidirectional 1.8 kΩ -37 dB (1 kHz, 0 dB = 1 V/Pa) 100 Hz - 13 kHz Speech indicator (ring type), blue 518 mm / 105 g	
Finish	Upper case: ABS resin, metallic grey, paint Lower case: ABS resin, black	
Dimensions	145.3 (W) x 70.7 (H) x 150.5 (D) mm (excluding microphone unit)	
Weight	800 g (excluding microphone unit)	
Accessory	Microphone unit x 1	
Option	Extension cord: YR-790-3-EB, YR-790-10-EB	

Optional Accessories

Extension Cord

YR-790-3-EB



YR-790-10-EB



Rack Mount Bracket

MB-25B



Compatible 5000 Series UHF Wireless Transmitters and Tuner

Microphones

WM-5270



WM-5265



WM-5225



Beltpack

WM-5325*



Tuner

WTU-M9800-EB



* Use with either:
- YP-M5300 (Lavalier)
- YP-M5310 (Lavalier)
- WH-4000H (Headset)