Z-TSD110-AS Series
Digital Conference System

Digital communications, coupled with TOA audio quality provides
an outstanding conference system that can be adapted to fit any size room.

Excellent Coherence and Intelligibility

A full spread surface that creates a direct path between the presenter and the loudspeaker.

Solid Construction

The newly designed case provides an exceptional atmosphere for conferences.
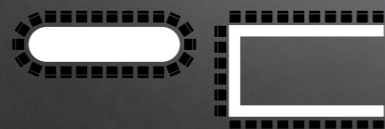
Minimal Footprint

With its pyramid-shaped contour, the conference unit blends beautifully with any decor.

Intelligible conversations in conference or board rooms for up to 246 participants.

Long microphone option to make a room for your laptop or documents.

Natural appearance, as if protruding from the desk.

Your message reaches to the audience perfectly

Carefully designed audio processing and hardware for enhanced audio performance

High Quality Audio

Carefully designed audio processing and hardware enhance audio performances to get your messages through.

No Interference

Advanced feedback suppressor (FBS) minimizes acoustic feedback.

No Missing Words

Auto gain control (AGC) function provides uniform sound volume by adjusting the gain based on how loud or soft the speaker's voice is.

Near   Far

The long microphone is long enough to allow you to make a room for your PC.

Designed for meeting facilitators

Facilitator-supporting function

Chairman's Unit Priority Function

· Chairman Unit has priority override control.
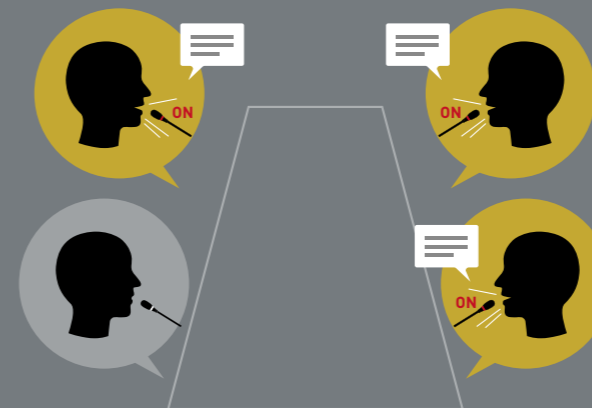· Smooth operation of the conference is assured by a Chairman Unit's priority function.

Setting for Number of Open Microphones

· The Chairman can select the number of delegates who speak simultaneously to guide the discussion.
· Up to eight Delegate Units for simultaneous operation is allowed and if one or two Chairman Units are included, they may speak simultaneously.

Participant-supporting feature
Voice Activation Mode

Start talking instead of pressing the button.
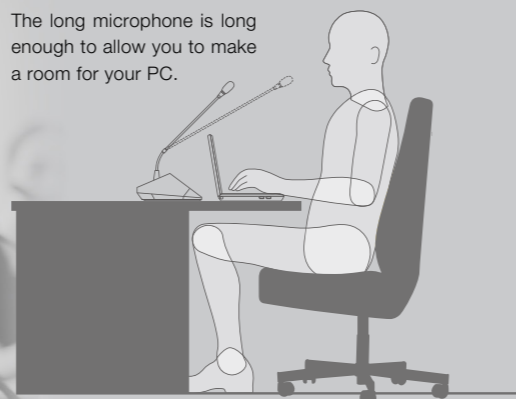Microphone can be activated in response to a person's voice.

Administrator-supporting feature
Easy Maintenance

A Shielded CAT5e STP cable carries signals between conference units or between the Master Control Unit and a conference unit.

ON   ON

ON

Master Control Unit | Key Functions

MIC UNIT

CONFERENCE MODE	MAX MIC UNIT
☐ STANDARD	☐ 1
☐ OVERRIDE	☐ 2
☐ VOICE ACTIVATION	☐ 8
☐ CHAIRMAN ONLY	

Built-in volume control for monitor speaker.

Operation Mode

STANDARD : Optimized for a meeting where the chairman assigns who will talk the next.
OVERRIDE : Optimized for a meeting where the participants talk in order.
VOICE ACTIVATION : Optimized for an open discussion (all conversations are sent to record output).
CHAIRMAN ONLY : Optimized for a presentation style meeting. The presenter will reach every participant clearly thanks to a built-in speaker on each unit.

Z-TSD110M-AS

Energy Saving Mode

Conference system automatically switched off after 2 hours of inactivity.

Built-in Audio Recording

Meetings can be recorded in mp3 format on USB drive or internal memory*.
*Internal recording up to 18 hours at 128 kbps.

Hybrid Conference

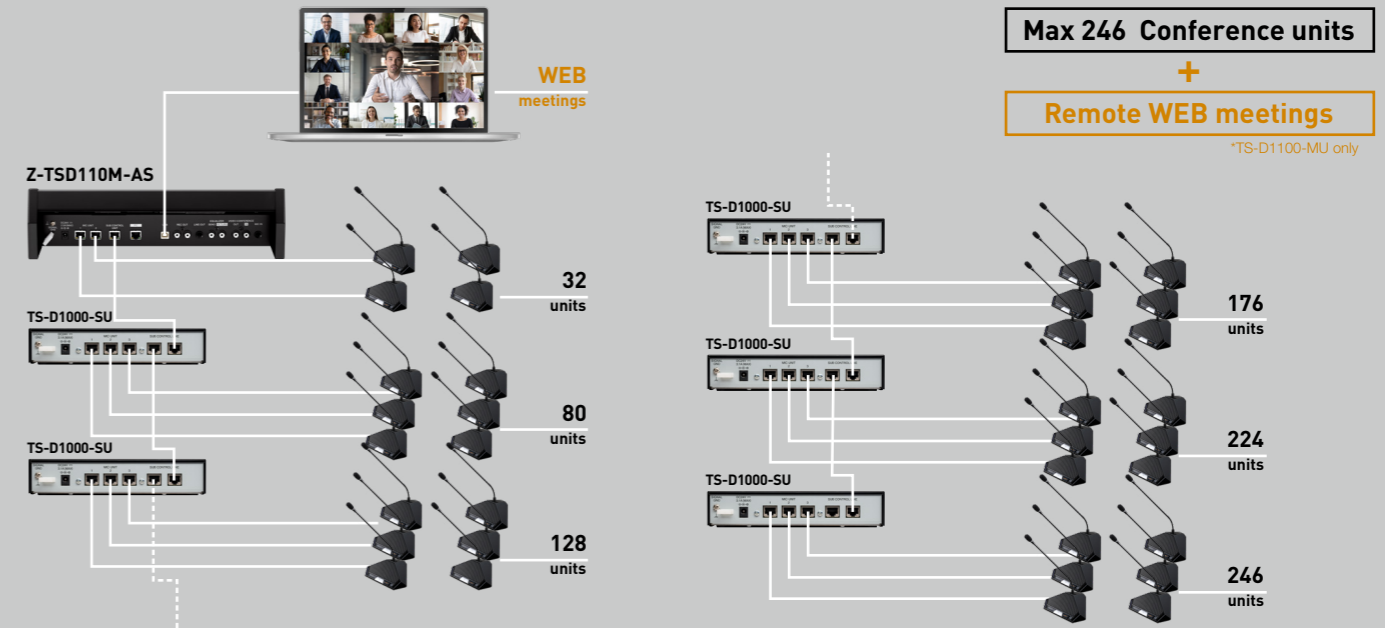Connection to a PC enables audio input and output during Web meetings and conferences.
*TS-D1100-MU only

Web Browser Application

Built-in web browser application is available. Advanced settings can be made from a PC or tablet.

System Configuration / Components

WEB meetings

Max 246 Conference units

+

Remote WEB meetings
*TS-D1100-MU only

Z-TSD110M-AS

TS-D1000-SU — 32 units

TS-D1000-SU — 80 units

TS-D1000-SU — 128 units

TS-D1000-SU — 176 units

TS-D1000-SU — 224 units

TS-D1000-SU — 246 units

Z-TSD110M-AS Master Control Unit

- USB Audio In/out (USB 2.0 type-B port)
- Supports up to 32 conference units
- Mic In, Aux In, Line Out, Rec Out, Headphone monitor out, EQ in/out
- Function setting : Number of open microphones, Auto mic-off function, Microphone priority selector
- Rack-mountable with optional MB-TS920 bracket

	Z-TSD110M-AS
Power Source	100 - 240V AC, 50/60Hz (use of the supplied AC adapter)
Power Consumption	60W or less
Audio Transmission System	Time division multiplexing (TOM), 10 channels 16-bit PCM, 32kHz sampling frequency
Frequency Response	100Hz - 13kHz
Total Harmonic Distortion	0,5% or less
Signal to Noise Ratio	80dB or more (A-weighted)
Mic Input	-54dB (*2), 600Ω, unbalance, φ6.3mm phone jack (2P)
Output	LINE: -10dB (*2), 10kΩ, unbalance, φ6.3mm phone jack (2P) REC: -10dB (*2), 10kΩ, unbalance, RCA pin jack, monaural HEADPHONES: φ3.5mm mini jack, monaural
USB Audio Input / Output	USB 2.0, type-B port
EQ Insert Input / Output Terminal	-10dB (*2), 10kΩ, unbalance, RCA pin jack
Video Conference system Input/Output Terminal	-10dB (*2), 10kΩ, unbalance, RCA pin jack
Number of Connectable Chairman / Delegate Unit	32 unit
Number of Connectable Sub Control Units	5 unit
Maximum Cable Distance	50m (164.04ft) (between Master control unit and terminal Chairman/Delegate unit) at end of daisy chain) (*3) 1m (3.28ft) (between Master control unit and sub control unit) (use the cable supplied with the sub control unit)
Maximum Number of Open Microphone	2 chairman units, 8 delegate units
Chairman / Delegate Units Terminal	RJ45 connector x 2
Sub control units terminal	RJ45 connector
LED Indicator	Power indicator, Conference Mode indicator, Number of Open Microphones indicator, Microphone Auto Off indicator, Monitor Speaker of Conference Units Volume indicator, Connection Test indicator, External Control indicator, Setting Lock indicator, Recording Status indicator, USB Access Status indicator, USB Memory Status indicator, Internal Memory Status indicator, Remaining USB Memory Capacity Warning indicator, Remaining Internal Memory Capacity Warning indicator, LINK/ACT, 10BASE-T/100BASE-TX indicator.
Function Key	Conference model selector key: Standard/Override/Voice Activation/Chairman Only Number of open microphones selector key: 1/2/8 Microphone Auto Off setting key: ON/OFF Monitor speaker of conference units volume control key: - , + Setting lock key: ON/OFF, Headphone volume control key: - , +
Operation Key	Connection test, Rec start, Rec stop
Recording Ports	USB-A
Recording Function	Recordings can be made to a USB memory device (*4) or the internal memory. Recording format: MP3 (MPEG-1 Audio Layer-3), monaural Sampling frequency: 32 kHz, Bit rate: 128 kbps
Network I/F	10BASE-T / 100BASE-TX (Automatic-Negotiation)
Network Protocol	TCP, HTTP, DHCP, ARP, (APIPA), UDP (mDNS), UPnP
Network Connector	RJ45 connector
Operating Temperature	0°C to +4°C
Finish	Panel: Surface-treated steel plate, black, 30% gloss, paint
Weight	2.2 kg (4.85 lb)
Accessory	AC adapter (Cord length: 1.8 m DC cord, and 2 m detachable AC cord) x 1, USB cable (3 m) x 1
Option	Rack mounting bracket: MB-TS920

Z-TSD100C-AS Chairman Unit
- Chairman unit for basic discussion
- Priority button
- 0.4W monitor speaker
- 2 headphone jacks with individual volume control
- PoE powered

Z-TSD100D-AS Delegate Unit
- Delegate unit for basic discussion
- 0.4W monitor speaker
- 2 headphone jacks with individual volume control
- PoE powered

	Z-TSD100C-AS	Z-TSD100D-AS
Power Source	24 V DC (supplied from the Z-TSD110M-AS Master Control Unit (option), TS-D1000-SU Sub Control Units (option), or TS-D1000-EX Extension Units (option))	
Power Consumption	1.5 W or less	
Signal to Noise Ratio	65 dB or more (A-weighted)	
Input	Microphone terminal: XLR-3-31 type	
Output	Monitor speaker: 8 Ω, 0.4 W Earphone: ø3.5 mm mini Jack (3P:monaural) × 2	
Speaker Output	75db SPL	
Connecting Terminal	RJ45 connector x 2	
LED Indicator	Power indicator, Speech indicator	Power indicator, Speech indicator
	Speech function, **Priority Speech Function,** Earphone volume control (x2)	Speech function, Earphone volume control (x2)
Operating Temperature	0℃ to +40℃	
Operating Humidity	90 %RH or less (no condensation)	
Finish	Case: ABS resin, black, mat finish, paint Speaker Net: Steel plate, black, mat finish, paint	
Dimensions	208.9 (W) × 71.3 (H) × 160.5 (D) mm	
Weight	880g	875g
Option	Standard Microphone: TS-D1000-M1 Long Microphone: TS-D1000-M2	

TS-D1000-M1 Microphone
- Gooseneck microphone
- Unidirectional electret condenser microphone
- LED shows microphone status
- XLR-3-32 connector
- Sensitivity:-37 dB (1 kHz, 0 dB = 1 V / PA)
- Frequency response: 100 Hz - 13 kHz
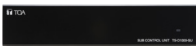- Length: 518 mm (1.7 ft)

TS-D1000-M2 Microphone [Long]
- Gooseneck microphone
- Unidirectional electret condenser microphone
- LED shows microphone status
- XLR-3-32 connector
- Sensitivity:-37 dB (1 kHz, 0 dB = 1 V / PA)
- Frequency response: 100 Hz - 13 kHz
- Length: 668 mm (2.19 ft)

TS-D1000-SU Sub Control Unit
- Controls up to 48 Conference Units
- Up to 5 Sub Control Units connectable to the Master Control Unit with the supplied LAN cable.
- Only 22 conference units can be connected to the 5th Sub Control Unit

TS-D1000-EX Extension Unit
- Provides up to 150m distance over Shielded CAT5e

MB-TS920 Rack Mounting Bracket
- For use with TS-D1000-MU

Scan for more info

TOA
Smiles for the Public

Specifications are subject to change without notice.