



# TS Series

Conference systems



**sound** without compromise

[www.toa.eu](http://www.toa.eu)



# Supports smooth

**conference management with a highly  
flexible system design and clear sound amplification**

In 1934 in Kobe, Japan,  
TOA Corporation was established as a manufacturer of audio  
equipment. Since then, we have continued to place a premium  
on quality while manufacturing and delivering high-precision  
products to customers around the world.  
TOA began developing conference systems in 1978. Over the  
years, we have accumulated a wealth of experience and  
achievements that have earned our company an excellent  
reputation for providing highly reliable systems that are easy  
to use. At TOA, we will continue to offer a full product lineup  
to support the smooth management of conferences.

**C**lear sound

**C**ompact size

**S**imple setup

**High performance**

# Advanced Conference System



## Wired or Wireless Units for System Flexibility

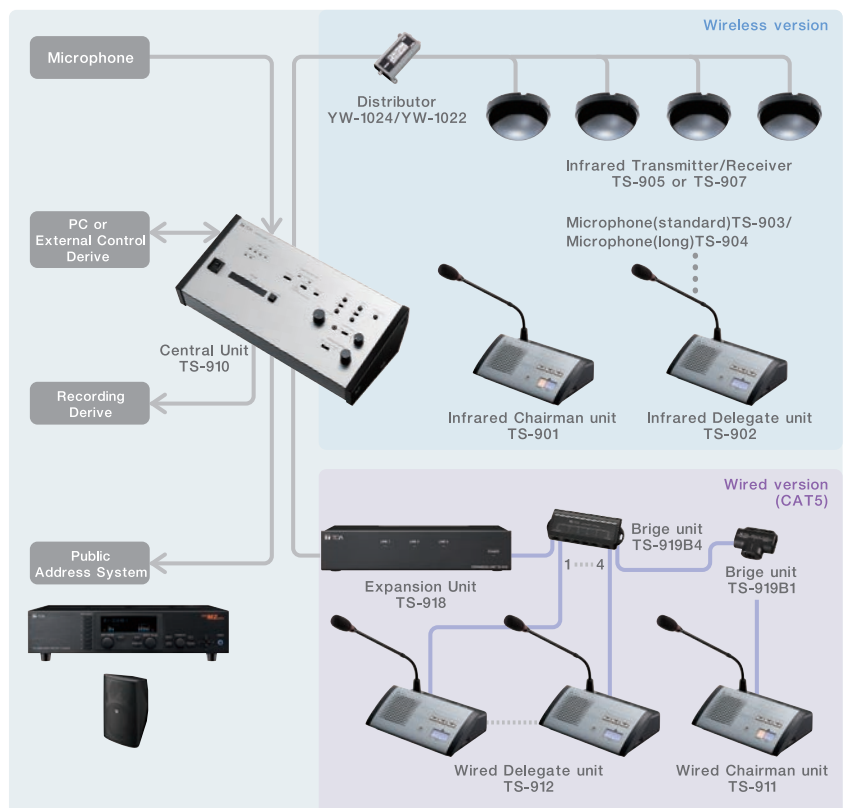
### TS-910 series



#### System Benefits

- No worries about radio interference, eavesdropping, or information leakage, thanks to wireless system's IR communication method.
- Versatile Cat 5 cable connection available for wired units.
- Suitable for either permanent or temporary installation.
- Failure in one terminal unit does not affect other units.
- System can be controlled by external equipment via RS-232C and USB port.
- Individual control of units possible by assigning unit addresses.
- Exceptional sound quality.
- Connect a recording device for high-quality audio recording of conferences.
- Triple choice vote function.
- Bilingual conference capability.
- Built-in feedback suppressor for more efficient reduction of acoustic feedback.
- Stable and stylish hardware design.
- When speaker is on, chairman/delegate unit mic is turned off automatically to avoid feedback, and vice versa.

#### System Example



## with Added Security and Flexibility



## Easy Cable-Free Installation

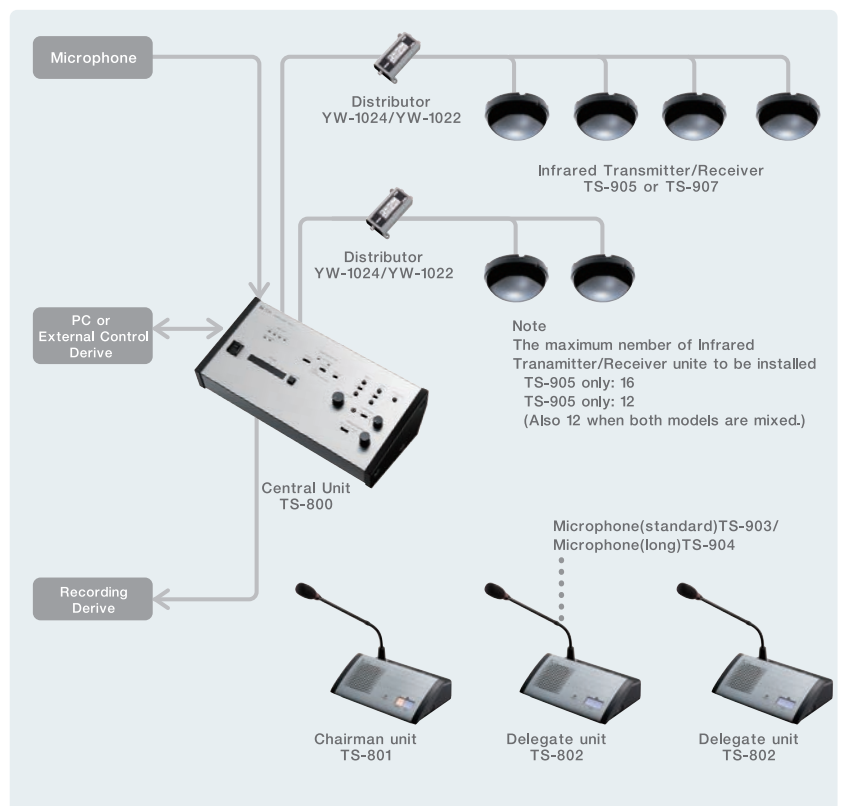
### TS-800 series



### System Benefits

- Flexible and easy configuration in different rooms and with varied participant numbers.
- No worries about radio interference, eavesdropping, or information leakage thanks to IR communication method.
- Suitable for either permanent or temporary installation.
- System can be controlled by external equipment via RS-232C.
- Individual control of units possible by assigning unit addresses.
- Exceptional sound quality.
- Connect a recording device for high-quality audio recording of conferences.
- Stable and stylish hardware design.
- When speaker is on, chairman/delegate unit mic is turned off automatically to avoid feedback, and vice versa.

### System Example



# Superb Conference Functionality in an Easy and Affordable System



## Simple and Compact Wired Conference System

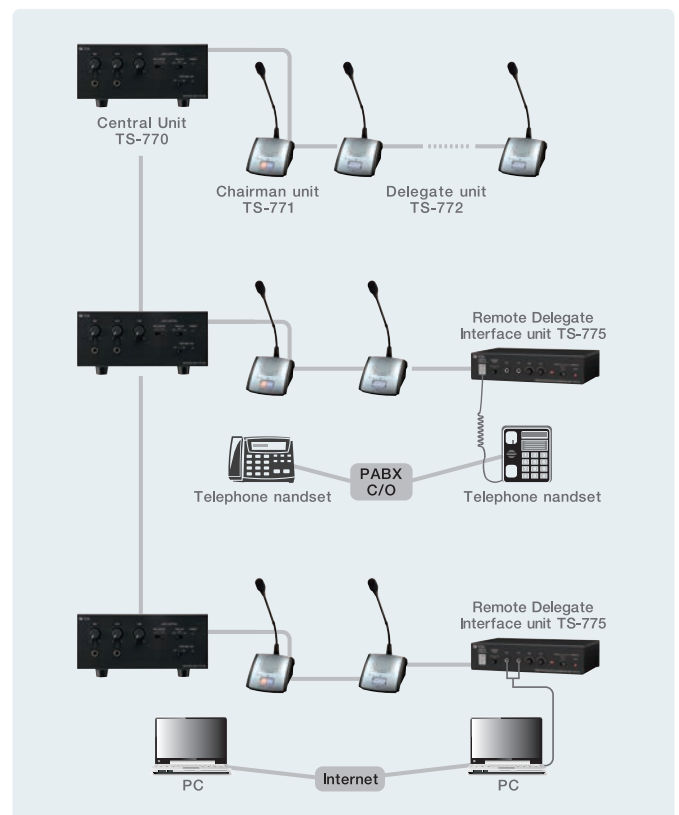
### TS-770 series



#### System Benefits

- Plug-and-play system.
- Up to 70 units can be attached to a single Central Unit.
- System expandable to 210 units by connection of 3 Central Units.
- Connect a recording device for high-quality audio recording of conferences.
- Test function allows connections to be accurately verified.
- Remote Interface Unit facilitates teleconferences.

#### System Example



Specifications

| TS-910 Central Unit                       |                                                                                                                                                                                                                                                                                            | TS-800 Central Unit                                                                                                                                                                                                                                                                      |  |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Input                                     | 2 x Mic: -60dB*, 600 ohms, unbalanced, phone jack<br>3 x AUX: -20 dB*, 10k ohms, unbalanced, phone jack                                                                                                                                                                                    | 1 x Mic: -60dB*, 600 ohms, unbalanced, phone jack<br>1 x AUX: -20 dB*, 10k ohms, unbalanced, phone jack                                                                                                                                                                                  |  |
| Output                                    | 1 x Line: -20dB*, unbalanced, phone jack<br>2 x Recording: -20dB*, 10k ohms, unbalanced, phone jack/RCA pin jack<br>1 x Headphone: mini jack                                                                                                                                               | 2 x Recording: -20dB*, 10k ohms, unbalanced, phone jack/RCA pin jack<br>1 x Headphone: mini jack                                                                                                                                                                                         |  |
| External EQ                               | Input: -20dB*, 10k ohms, RCA pin jack<br>Output: -20dB*, 10k ohms, RCA pin jack                                                                                                                                                                                                            | -<br>-                                                                                                                                                                                                                                                                                   |  |
| No. of connectable Chairman/Delegate Unit | 192                                                                                                                                                                                                                                                                                        | 64                                                                                                                                                                                                                                                                                       |  |
| External Control Terminal                 | D-sub connector (9P, male)/USB-B selectable                                                                                                                                                                                                                                                | D-sub connector (9P, male) and RS-232C                                                                                                                                                                                                                                                   |  |
| Function Switch                           | Speaker restriction: set to 1,2,3 and 4<br>Mic-off function: off or on (selectable)<br>Speech priority selector A/B/C<br>A: First-in-first-out, B: Last-in-first-out, C: Fixed for the first unit and last-in-last out for the subsequent units<br>FBS selection: External/Off/Auto/Manual | Speaker restriction: set to 1,2 and 4<br>Mic-off function: off or on (selectable)<br>Speech priority selector A/B/C<br>A: First-in-first-out, B: Last-in-first-out, C: Fixed for the first unit and last-in-last out for the subsequent units<br>FBS selection: External/Off/Auto/Manual |  |
| Applicable Unit                           | TS-901/902/911/912, TS-801/802/811/812                                                                                                                                                                                                                                                     | TS-801/802                                                                                                                                                                                                                                                                               |  |
| Dimensions                                | 359(W) x 118.8(H) x 138.2 (D) mm (14.13" x 4.68" x 5.44")                                                                                                                                                                                                                                  | 359(W) x 118.8(H) x 179.8 (D) mm (14.13" x 4.68" x 7.08")                                                                                                                                                                                                                                |  |
| Weight                                    | 2.8 kg (6.17 lb)                                                                                                                                                                                                                                                                           | 2.7 kg (5.95 lb)                                                                                                                                                                                                                                                                         |  |

|                     | TS-901 Chairman Unit                                                                                                 | TS-902 Delegate Unit                                                                     | TS-801 Chairman Unit                                                   | TS-802 Delegate Unit                       | TS-911 Chairman Unit                                                                     | TS-912 Delegate Unit                                                   | TS-811 Chairman Unit                       | TS-812 Delegate Unit                       |
|---------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------|
| Power Source        | 7.4V DC (battery) or 9V DC (AD-0910 AC adapter)                                                                      |                                                                                          |                                                                        |                                            | 24V DC (supplied from the optional TS-918 Expansion Unit)                                |                                                                        |                                            |                                            |
| Input               | Microphone terminal: XLR-4-31 type                                                                                   |                                                                                          |                                                                        |                                            | Microphone terminal: XLR-4-31 type                                                       |                                                                        |                                            |                                            |
| Output              | Monitor speaker: 8 ohms, 0.2W<br>Headphone: Mini jack x 2                                                            |                                                                                          |                                                                        |                                            | Monitor speaker: 8 ohms, 0.2W<br>Headphone: Mini jack x 2                                |                                                                        |                                            |                                            |
| Battery Life        | Approx. 10 hours                                                                                                     |                                                                                          |                                                                        |                                            | -                                                                                        |                                                                        |                                            |                                            |
| Connection Terminal | -                                                                                                                    |                                                                                          |                                                                        |                                            | RJ45 connector                                                                           |                                                                        |                                            |                                            |
| Function            | Monitor speaker volume<br>Headphone volume<br>Priority speech function<br>Voting function<br>Monitor selector switch | Monitor speaker volume<br>Headphone volume<br>Voting function<br>Monitor selector switch | Monitor speaker volume<br>Headphone volume<br>Priority speech function | Monitor speaker volume<br>Headphone volume | Monitor speaker volume<br>Headphone volume<br>Voting function<br>Monitor selector switch | Monitor speaker volume<br>Headphone volume<br>Priority speech function | Monitor speaker volume<br>Headphone volume | Monitor speaker volume<br>Headphone volume |
| Dimensions          | 210(W) x 65.9(H) x 152(D) mm (8.27" x 2.59" x 5.98")                                                                 |                                                                                          |                                                                        |                                            |                                                                                          |                                                                        |                                            |                                            |
| Weight              | 640g (1.41 lb)                                                                                                       |                                                                                          |                                                                        |                                            |                                                                                          |                                                                        |                                            |                                            |

| TS-770 Central Unit                       |                                                                                                                                         |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Input                                     | 1 x Mic: -60dB*, 600 ohms, unbalanced, phone jack<br>1 x AUX: -20 dB*, 10k ohms, unbalanced, phone jack                                 |
| Output                                    | 3 x Recording: -20dB*, 10k ohms, unbalanced, phone jack/<br>RCA pin jack x 2                                                            |
| External EQ                               | -<br>-                                                                                                                                  |
| No. of connectable Chairman/Delegate Unit | 210                                                                                                                                     |
| Function Switch                           | Speaker restriction: Delegate unit' simultaneous operation<br>set to 0, 1, 3, or 6Mic-off function: off, 20 sec or 40 sec, (selectable) |
| Applicable Unit                           | TS-771/772                                                                                                                              |
| Dimensions                                | 210(W) x 107.1 (H) x 316 (D) mm (8.27" x 4.22" x 12.44")                                                                                |
| Weight                                    | 4 kg (8.82 lb)                                                                                                                          |

| TS-771 Chairman Unit |                                                                                                             | TS-772 Delegate Unit                       |  |
|----------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------|--|
| Power Source         | 35V DC (supplied from TS-770 Central Unit)                                                                  |                                            |  |
| Input                | Microphone terminal: XLR-4-31 type                                                                          |                                            |  |
| Output               | Monitor speaker: 130 ohms, 200 mW<br>Headphone/Recording: Mini jack x 1<br>Contact output: 24C DC, Max 50mA |                                            |  |
| Connection Terminal  | RJ45 connector                                                                                              |                                            |  |
| Function             | Monitor speaker volume<br>Headphone volume<br>Priority speech function                                      | Monitor speaker volume<br>Headphone volume |  |
| Dimensions           | 114.5(W) x 78.4(H) x 152.9(D) mm (4.51" x 3.09" x 6.02")                                                    |                                            |  |
| Weight               | 560 g (1.23 lb)                                                                                             |                                            |  |

| Options           |                                         |                                          |
|-------------------|-----------------------------------------|------------------------------------------|
| TS-910 Series     | TS-918 Expansion Unit                   |                                          |
|                   | TS-918B4 Bridge Unit                    |                                          |
|                   | TS-918B1 Bridge Unit                    |                                          |
|                   | MB-15B-BK Rack Mount Bracket            | Bracket for TS-918                       |
|                   | MB-15B-J Rack Mount Bracket             | Bracket for TS-918                       |
|                   |                                         |                                          |
| TS-910/800 Series | TS-903 Microphone                       | 368 mm (1.21 ft) length                  |
|                   | TS-904 Microphone                       | 518 mm (1.7 ft) length                   |
|                   | TS-905 Infrared Transmitter/Receiver    | 150°(vert.) x 360°(hor.) reception angle |
|                   | TS-907 Infrared Transmitter/Receiver    | 90°(vert.) x 360°(hor.) reception angle  |
|                   | BP-900 Rechargeable Lithium-ion Battery |                                          |
|                   | BC-900 Battery charger                  |                                          |
|                   | AD-0910 AC Adapter                      |                                          |
|                   | YW-1022 Distributor                     | to 2 outputs                             |
|                   | YW-1024 Distributor                     | to 4 outputs                             |
|                   | MB-TS900 Rack Mount Bracket             | Bracket for TS-910/800                   |
|                   |                                         |                                          |
| TS-770 Series     | TS-773 Microphone                       | 368 mm (1.21 ft) length                  |
|                   | TS-774 Microphone                       | 518 mm (1.7 ft) length                   |
|                   | YR-770-2M Extension Cord                | 2 m (6.56 ft) length                     |
|                   | YR-770-10M Extension Cord               | 10 m (32.81 ft) length                   |
|                   | TS-775 Remote Delegate Interface        |                                          |

# Optional Accessories

## TS-910 Series

Bridge Unit



TS-919B1



TS-919B4

Expansion Unit



TS-918

## TS-910/800 Series

Microphone



TS-903

TS-904

Infrared Transmitter/  
Receiver



TS-905

150°(vert.)x360°(hor.)  
reception angle



TS-907

90°(vert.)x360°(hor.)  
reception angle

Rechargeable  
Lithium-ion Battery



BP-900

Battery charger



BC-900

AC Adapter



AD-0910

Distributor



YW-1022  
(to 2 outputs)



YW-1024  
(to 4 outputs)

Rack Mount Bracket



MB-TS900

## TS-770 Series

Microphone



TS-773

TS-774

Extension Cord



YR-770-2M

YR-770-10M

Remote Delegate  
Interface Unit



TS-775