Other System Components

**TS-910 Series**
- Bridge Unit: TS-91B1, TS-91B4
- Expansion Unit: TS-918

**TS-910/800 Series**
- Microphone: TS-903, TS-904
- Infrared Transmitter/Receiver: TS-905, Ceiling height: 2.5 - 6.0m, TS-907, Ceiling height: 5 - 7m
- 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-780 Series**
- Microphone: TS-773, TS-774
- Extension Cord: YR-780-2M, YR-780-10M

**TS-770 Series**
- Microphone: TS-773, TS-774
- Extension Cord: YR-770-2M, YR-770-10M
- Remote Delegate Interface Unit: TS-775

Conference Systems
Stand-alone TOA conference systems

are designed for maximum reliability and ease of use. Built with a minimum of complexity to enable trouble-free installation and operation, these systems enable conferences to be set up and staged quickly and effectively.

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.
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Stand-alone TOA conference systems are designed for maximum reliability and ease of use. Built with a minimum of complexity to enable trouble-free installation and operation, these systems enable conferences to be set up and staged quickly and effectively.

Simple installation  Trouble-free operation
Smooth conference management
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.
- 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**

- **Microphone**
  - Standard TS-903
  - Long TS-904

- **Central Unit**
  - TS-910

- **Distributor**
  - YW-1024/YW-1022

- **Infrared Transmitter/Receiver**
  - TS-905 or TS-907

- **Wireless version**

- **Wired version**
  - (CAT5)

- **Expansion Unit**
  - TS-918

- **Wired Chairman unit**
  - TS-911

- **Wired Delegate unit**
  - TS-912

- **Bridge unit**
  - TS-919B4

- **Bridge unit**
  - TS-919B1

**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**

- **Microphone**
  - Standard TS-903
  - Long TS-904

- **Central Unit**
  - TS-800

- **Distributor**
  - YW-1024/YW-1022

- **Infrared Transmitter/Receiver**
  - TS-905 or TS-907

- **Wireless version**

- **Wired version**
  - (CAT5)
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.

**System Example**

**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

Built-in MP3 Recorder for Quick Conference Recording

TS-780 series

System Benefits
- Plug-and-play system.
- Up to 64 units can be attached to a single Central Unit.
- System expandable to 192 units by connection of 3 Central Units.
- Test function allows connections to be accurately verified.
- Conferences can be recorded onto SD card or external recording device.
- Built-in feedback suppressor for more efficient reduction of acoustic feedback.
- External equalizing capability.
- Compact and stable hardware design.

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.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>TS-780 Chairman Unit</th>
<th>TS-902 Central Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>1 x Mic: 500 mV, 600 ohms, unbalanced phone jack</td>
<td>1 x Mic: 500 mV, 600 ohms, unbalanced phone jack</td>
</tr>
<tr>
<td></td>
<td>1 x Line: 100 mV, 600 ohms, unbalanced phone jack</td>
<td>1 x Line: 100 mV, 600 ohms, unbalanced phone jack</td>
</tr>
<tr>
<td></td>
<td>1 x Recording: -20 dB*, 10 k ohms, balanced phone jack/RCA pin jack</td>
<td>1 x Recording: -20 dB*, 10 k ohms, balanced phone jack/RCA pin jack</td>
</tr>
<tr>
<td></td>
<td>1 x Microphone: -20 dB*, 10 k ohms, balanced phone jack/RCA pin jack</td>
<td>1 x Microphone: -20 dB*, 10 k ohms, balanced phone jack/RCA pin jack</td>
</tr>
<tr>
<td>External A/C</td>
<td>1 x AC: 100-120 V, 50/60 Hz, 15 VA</td>
<td>1 x AC: 100-120 V, 50/60 Hz, 15 VA</td>
</tr>
<tr>
<td>Power Source</td>
<td>24 V DC (supplied from the optional TS-918 Expansion Unit)</td>
<td>24 V DC (supplied from the optional TS-918 Expansion Unit)</td>
</tr>
<tr>
<td>Microphone</td>
<td>TS-903 Microphone</td>
<td>TS-904 Microphone</td>
</tr>
<tr>
<td>Headphone</td>
<td>Headphones: 3.5 mm jack</td>
<td>Headphones: 3.5 mm jack</td>
</tr>
<tr>
<td>Monitor Speaker</td>
<td>8 ohms, 200 mW</td>
<td>8 ohms, 200 mW</td>
</tr>
<tr>
<td>Monitor Selector</td>
<td>2-position rotary switch</td>
<td>2-position rotary switch</td>
</tr>
</tbody>
</table>

For more detailed specifications, please refer to the full manual.
Superb Conference Functionality in an Easy and Affordable System

Built-in MP3 Recorder for Quick Conference Recording

**TS-780 series**

**System Benefits**
- Plug-and-play system.
- Up to 64 units can be attached to a single Central Unit.
- System expandable to 192 units by connection of 3 Central Units.
- Test function allows connections to be accurately verified.
- Conferences can be recorded onto SD card or external recording device.
- Built-in feedback suppressor for more efficient reduction of acoustic feedback.
- External equalizing capability.
- Compact and stable hardware design.

**System Example**

![System Example Image]

**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.

**Specifications**

<table>
<thead>
<tr>
<th>Ts-780 (Central Unit)</th>
<th>Ts-781 Chairman Unit</th>
<th>Ts-782 Delegate Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>4 x Mic: -50dB*, 600 ohms, unbalanced phone jack</td>
<td>4 x Mic: -50dB*, 600 ohms, unbalanced phone jack</td>
</tr>
<tr>
<td>Terminal</td>
<td>1 x Mic: -40dB*, unbalanced phone jack</td>
<td>1 x Mic: -40dB*, unbalanced phone jack</td>
</tr>
<tr>
<td>1 x Recording: -50dB*, 10k ohms, unbalanced, phone jack</td>
<td>1 x Recording: -50dB*, 10k ohms, unbalanced, phone jack</td>
<td>1 x Recording: -50dB*, 10k ohms, unbalanced, phone jack</td>
</tr>
<tr>
<td>Headphone/remote jack</td>
<td>1 x Headphone/remote jack</td>
<td>1 x Headphone/remote jack</td>
</tr>
<tr>
<td>External Unit</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>No. of communication</td>
<td>100</td>
<td>-</td>
</tr>
<tr>
<td>Communication Interface Unit</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Function Switch</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Terminal</td>
<td>2 x Mic: -40dB*, 600 ohms, unbalanced phone jack</td>
<td>2 x Mic: -40dB*, 600 ohms, unbalanced phone jack</td>
</tr>
<tr>
<td>1 x Recording: -50dB*, 10k ohms, unbalanced, phone jack</td>
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<td>1 x Headphone/remote jack</td>
<td>1 x Headphone/remote jack</td>
<td>1 x Headphone/remote jack</td>
</tr>
<tr>
<td>Audio Output</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Battery Life</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Power Source</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Transformer</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Function</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Terminal</td>
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</tr>
<tr>
<td>Audio Input</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Power Source</td>
<td>-</td>
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</tr>
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</tr>
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<td>Audio Input</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Example Image**

![Central Unit and Delegate Unit Diagram]
### Other System Components

#### TS-910 Series
- Bridge Unit: TS-918
- Expansion Unit: TS-918

#### TS-910/800 Series
- Microphone: TS-903, TS-904
- Infrared Transmitter/Receiver: TS-905 (Ceiling height: 2.5 - 4.5m), TS-907 (Ceiling height: 5 - 7m)
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