



# TS-770 SERIES CONFERENCE SYSTEM



***TOA Conference System with  
easy installation, use and expansion, plus  
remote participation capability***



## Compact, high-performance conference system with clear sound and remote conferencing capability.

The TOA TS-770 Conference System brings a multiple-mode remote conferencing to the meeting room, via a standard telephone line, a mobile phone, or PC-based IP telephony. It provides a full range of features for ensuring clear sound for efficient and effective conferences, and at a remarkably high cost/performance ratio.

The TS-770 does away with the need for a conference hall with professionally and permanently installed equipment for small-to-medium-sized meetings. Setting up the TS-770 is quick and easy. The basic requirements are simply to attach the Chairman and Delegate Units to the system's Central Unit, and connect each Delegate Unit, accordingly. Depending on an application, a unit may be farther apart from each other so an optional Extension Cord (2m/10m) can be attached. Up to 70 units, including multiple Chairman Units, may be attached to a single Central Unit (35 per

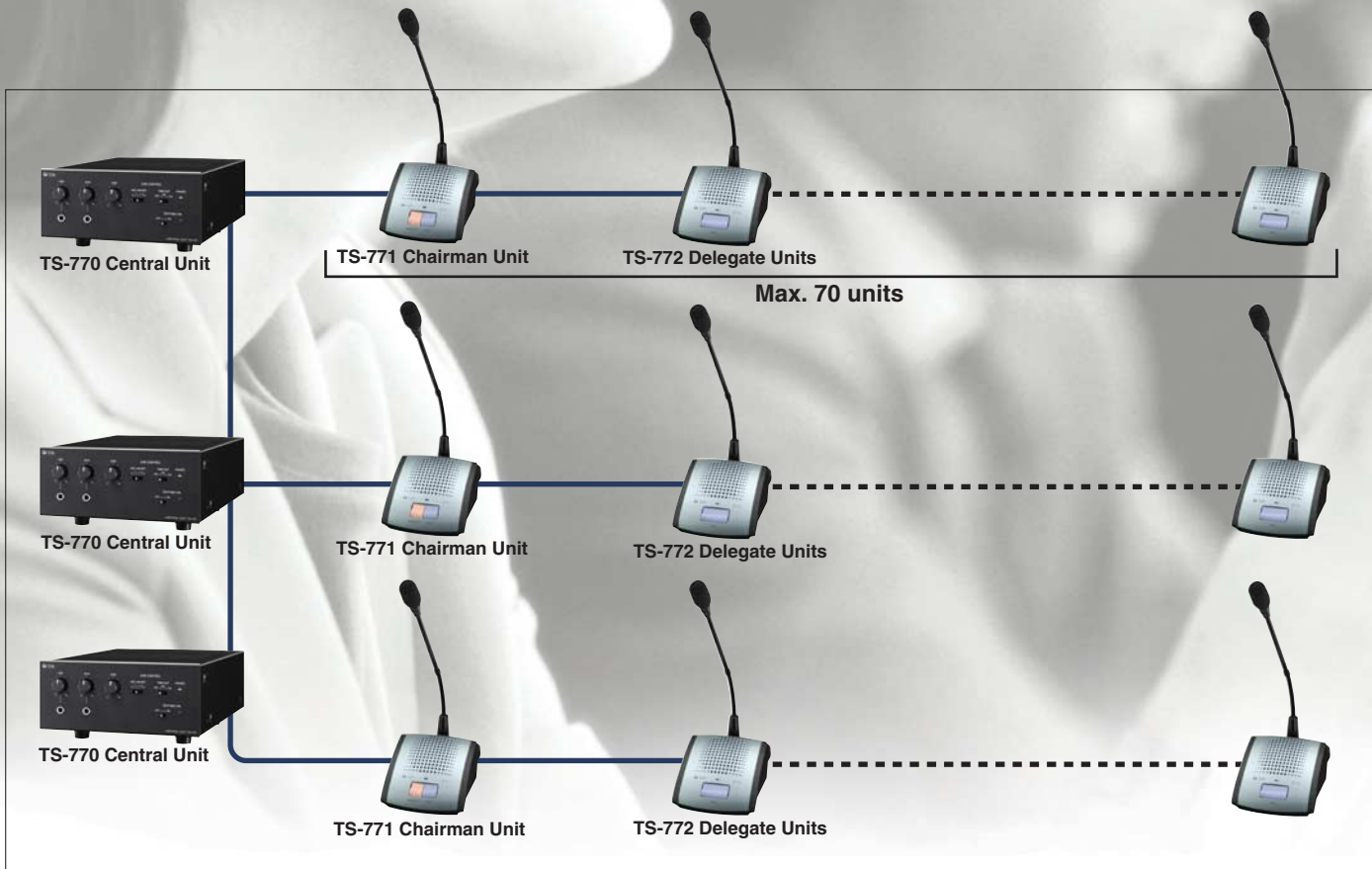
line), and system expansion to 140 or 210 units is possible by adding a 2nd or 3rd extension Central Unit. Operating the TS-770 goes smoothly and efficiently. An optimized unidirectional gooseneck microphone and wide frequency response speaker are included in every participant's unit, to ensure optimally clear voice transmission, with everyone clearly heard. Simply pushing the Talk button activates the microphone, while also deactivating the speaker in the unit, to prevent howling. The Chairman Unit can select one, three or six Delegate Units for simultaneous operation, and if several Chairman Units are included, they may speak simultaneously. Smooth operation of the conference is assured by a Chairman Unit's priority function. Long-term archival recording is made possible by connecting an optional alternating recording device to the center amplifier, and each unit also has its own recording output jack.



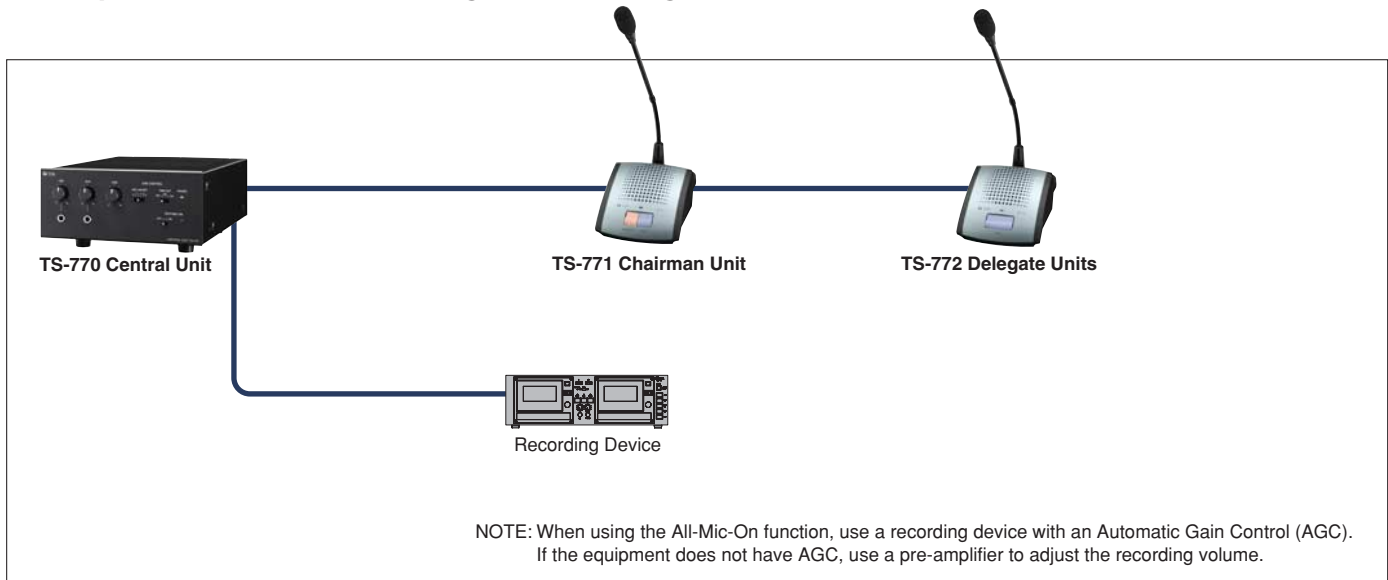
**A new series has joined the lineup of  
TOA's Conference System.  
The new TS-770 Series boasts high quality  
at affordable prices.  
Never make a compromise when it comes to  
offering users worry-free use—  
that's a TOA philosophy.**

# FEATURES AND CONNECTION EXAMPLES

- **Maximum 70 Chairman and Delegate Units (up to 35 units\* per line) are connectable to one Central Unit.**  
\*If the TS-775 Remote Delegate Interface Unit is used, up to 35 TS-775 Remote Delegate Interface Units can be connected per line also.
- **Expandable to maximum 210 units by connecting 2 additional Central Units.**

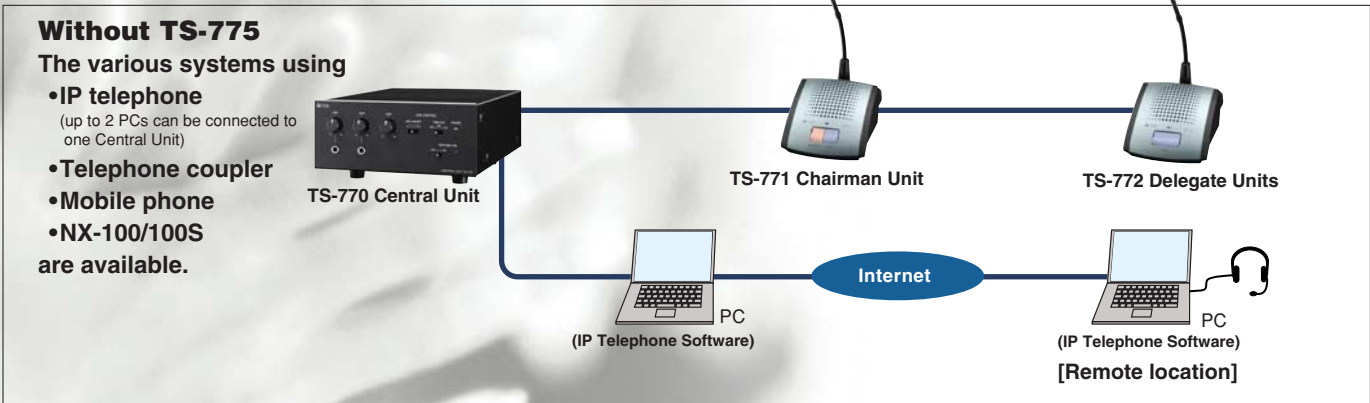


- **Equipped with an All-Mic-On function that simultaneously turns on all microphones for sound collecting and recording of all units.**



NOTE: When using the All-Mic-On function, use a recording device with an Automatic Gain Control (AGC).  
 If the equipment does not have AGC, use a pre-amplifier to adjust the recording volume.

- Remote conferencing is possible, enabling people at a remote location to participate in the conference.



- The Test Function feature enables easy checking of the connection status of all connected units.



- Number of simultaneously usable delegate units can be selected.

Note: [0] position means speech is possible by the Chairman unit only.



- Automatic Mic-Off function (TIME OUT)

Even if the speaker forgets to turn off his or her microphone after speech completion, the Automatic Mic-Off function automatically switches off the microphone after a preset interval elapses. (Can be set to OFF, 20 or 40 seconds.)





| Model No.                              | TS-770 Central Unit   |
|--|---|
| Power Req.                             | AC mains, 50/60 Hz  |
| Power Consumption                      | Max. 60 W   |
| Rated Output                           | 35V DC, 650mA × 2   |
| Input                                  | MIC: -60 dB*, 600 ohms, unbalanced, phone jack<br>AUX: -20 dB*, 10k ohms, unbalanced, phone jack  |
| Output                                 | Recording: -20 dB*, 10 k ohms, unbalanced, phone jack, pin jack × 2   |
| Equalizer Insertion Input Terminals    | Input: -20 dB*, 10 k ohms, pin jack<br>Output: -20 dB*, 10 k ohms, pin jack   |
| Expansion Input/Output Terminals       | Input: -20 dB*, 10 k ohms, pin jack × 2<br>Output: -20 dB*, 10 k ohms, pin jack × 2<br>Control: 10 k ohms or more, voltage output, pin jack × 2   |
| Control                                | Priority Speech chime: Operation of TS-771's priority button activates a single-tone chime<br>Speaker restriction: Number of simultaneously-usable TS-772s and TS-775s can be set to 1, 3, or 6<br>Automatic Mic-off: Function OFF/20 s/40 s (selectable) |
| Number of Connectable Conference Units | 70 (Max. 35 units per line),<br>Max. 210 (with 3 Central Units)   |
| Operating Temperature                  | 0°C to 40°C   |
| Operating Humidity                     | Under 90 % RH (no condensation)   |
| Finish                                 | Panel: Aluminum, hairline, black<br>Case: Pre-coated steel plate, black, 30% gloss  |
| Dimensions                             | 210 (W) × 107.1 (H) × 316 (D) mm  |
| Weight                                 | 4 kg  |
| Accessory                              | Power cord (2m) × 1   |
| Option                                 | Extension cord: YR-770-2M, YR-770-10M   |

\* 0 dB = 1 V



| Model No.             | TS-775 Remote Delegate Interface Unit  |
|-----------------------|--|
| Power Req.            | 35 V DC, under 30 mA (supplied from Central Unit TS-770)                       |
| Input                 | -60dB*, 200 ohms, balanced, mini phone jack with VR control                    |
| Output                | -60dB*, 22 ohms, balanced, mini phone jack with VR control                     |
| Speech Mode           | AUTO: Voice-activated Automatic switching<br>MANUAL: Talk key on-off switching |
| Operating Temperature | 0°C to 40°C  |
| Operating Humidity    | Under 90 % RH (no condensation)  |
| Finish                | Pre-coated steel plate, black  |
| Dimensions            | 160 (W) × 41.8 (H) × 100 (D) mm (excluding projection)                         |
| Weight                | 700g   |

\* 0 dB = 1 V



| Model No. | YR-770-2M and YR-770-10M Extension Cord   |
|-----------|---|
| Connector | 8 pins DIN socket (going to the unit's base) × 1<br>8 pins DIN plug (going to the cord) × 1 |
| Length    | YR-770-2M: 2 m/YR-770-10M: 10 m   |



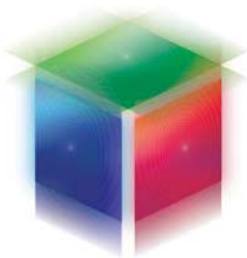
| Model No.             | TS-771 Chairman Unit  |
|-----------------------|---|
| Power Req.            | 35 V DC, under 30 mA (supplied from Central Unit TS-770)  |
| Output                | Headphone/Recording: 32 ohms (headphone)<br>10 k ohms, -20 dB* (recording), unbalanced, mini jack (with VR)<br>Internal speaker: 130 ohms 200 mW<br>Contact output: 24 V DC, max. 50 mA (open collector output) |
| Control               | Speech button: Microphone, speaker on-off control by speech switch<br>Priority button: Microphone, speaker on-off, other microphone cutoff, and single-tone chime activation                                    |
| Operating Temperature | 0°C to 40°C   |
| Operating Humidity    | Under 90 % RH (no condensation)   |
| Finish                | Case: ABS resin, black<br>Panel: ABS resin, gray metallic, semi-gloss, paint  |
| Dimensions            | 114.5 (W) × 78.4 (H) × 152.9 (D)mm  |
| Weight                | 780g  |
| Option                | Microphone: TS-773 (standard), TS-774 (long) (select either one)  |



| Model No.             | TS-772 Delegate Unit  |
|-----------------------|---|
| Power Req.            | 35 V DC, under 30 mA (supplied from Central Unit TS-770)  |
| Output                | Headphone/Recording: 32 ohms (headphone)<br>10 k ohms, -20 dB* (recording), unbalanced, mini jack (with VR)<br>Internal speaker: 130 ohms 200 mW<br>Contact output: 24 V DC, max. 50 mA (open collector output) |
| Control               | Microphone, speaker on-off control by speech switch   |
| Operating Temperature | 0°C to 40°C   |
| Operating Humidity    | Under 90 % RH (no condensation)   |
| Finish                | Case: ABS resin, black<br>Panel: ABS resin, gray metallic, semi-gloss, paint  |
| Dimensions            | 114.5 (W) × 78.4 (H) × 152.9 (D)mm  |
| Weight                | 780g  |
| Option                | Microphone: TS-773 (standard), TS-774 (long) (select either one)  |



| Model No.                        | TS-773 and TS-774 Microphones   |
|----------------------------------|---|
| Type                             | Electret condenser microphone   |
| Directivity                      | Unidirectional  |
| Rated Impedance                  | 1.8 k ohms  |
| Rated Sensitivity                | -37dB (1 kHz, 0dB = 1V/Pa)  |
| LED Speech Indicator (ring type) | RED   |
| Frequency Response               | 100 - 13,000 Hz   |
| Output Connector                 | Combined type of XLR-4-32   |
| Finish                           | Gooseneck: Stainless steel (SUS301), black<br>Other: ABS resin, black |
| Length                           | TS-773: 368mm/TS-774: 518mm   |
| Weight                           | TS-773: 90g/TS-774: 105g  |
| Applicable Unit                  | TS-771 Chairman unit, TS-772 Delegate unit                            |



Human Society with  
Sound & Communication

TOA Corporation  
www.toa.jp

Specifications are subject to change without notice.  
Printed in Japan (0710) 833-61-844-70 u