

TS-770 Series Conference System

The conference system shall be ideal for conferences and meetings in government, corporate, educational, and hotel applications. The conference system shall be portable, compact, lightweight, and easy to use. Wide frequency response shall ensure clear voice transmission, for smooth conducting of the conference.

The system shall be comprised of three components: central unit, chairperson station, and delegate station. A remote delegate station is optional. The chairman and delegate stations shall connect in a daisy-chain configuration to the central unit using supplied cables with secure eight-pin din connectors. The remote delegate station shall provide Audio Input/Output for local PC connection to a remote PC participant. The system capacity shall be a maximum of 70 chairperson and delegate stations connectable to one central unit and expandable to maximum 210 units by connecting two additional central units.

TS-770 Central Unit

The central unit shall feature selection of number of simultaneously usable station units. The central unit shall be equipped with an All-Mic-On function that simultaneously turns on all microphones for sound collecting and recording of all units. The central unit shall be equipped with a test function which enables easy visual checking of the connection status of all connected units. The central unit shall feature operation of up to six simultaneous speakers. The central unit shall be capable of operation from a 120 V AC 50/60 Hz line. The power consumption of the central unit shall be a maximum of 60 W. The central unit shall provide one microphone input (-60 dB, 600 ohm, unbalanced, phone jack) and one auxiliary input (-20 dB, 600 ohm, unbalanced, phone jack). The central unit shall provide one recording output (-20 dB, 10 k ohm, unbalanced, phone jack and RCA jack x 2). The central unit shall provide one equalizer input terminal (-20 dB, 10 k ohm, RCA jack) and one equalizer output terminal (-20 dB, 10 k ohm, RCA jack). The central unit shall provide one expansion input terminal (-20 dB, 10 k ohm, unbalanced, RCA jack x 2), one expansion output terminal (-20 dB, 10 k ohm, unbalanced, RCA jack x 2), and one control terminal (10 k ohm, voltage output, RCA jack x 2). Central unit controls shall include MIC limiter switch which provides restriction of simultaneously-usable chairman/delegate stations selectable between 0, 1, 3, or 6. The central unit shall provide a selectable time-out function switch adjustable to off, 20 seconds, or 40 seconds. The operating temperature of the central unit shall be 0°C to 40°C (32°F to 104°F) The operating humidity of the central unit shall be under 90 % RH (no condensation) The central unit shall be constructed of pre-coated steel plate with a black finish (30% glossy). The dimensions of the central unit shall be 210 (W) x 107.1 (H) x 316 (D) mm (8.27" x 4.22" x 12.44") and shall weigh 4 kg (8.82 lb).

TS-771 Chairman Unit

The chairman unit shall use the TS-773 or TS-774 Gooseneck Microphone. The chairman unit shall provide a 3.5mm unbalanced headphone mini jack and a 3.5mm unbalanced record output mini jack with volume control (Headphone/Recording: 32 ohm (headphone)/10 k ohm, -20 dB (recording). Controls of the chairman unit shall include a talk key which shall provide a microphone and speaker on-off control. Controls of the chairman unit shall also include a priority key which provides microphone and speaker on-off control, other microphone off, and single-tone chime activation. The chairman unit shall provide a contact closure output (24 V DC, Max. 50 mA) when microphone is active. The chairman unit shall provide a built in speaker (130 ohm 200 mW). The chairman unit shall be powered by the TS-770 central unit supplying a 35V DC, under 30 mA line. Operating temperature of the chairman unit shall be 0°C to 40°C (32°F to 104°F). Operating humidity of the chairman unit shall be under 90 % RH (no condensation). The case of the chairman unit shall be constructed of ABS resin with a black finishing. The panel of the chairman unit shall be constructed of ABS resin with gray metallic paint and 50% glossy finishing. The dimensions of the chairman unit shall be 114.5 (W) x 78.4 (H) x 152.9 (D) mm (4.51" x 3.09" x 6.02") and shall weigh 780 g (1.72 lb).

TS-772 Delegate Unit

The delegate unit shall use the TS-773 or TS-774 Gooseneck Microphone. The

delegate unit shall provide a 3.5mm unbalanced headphone mini jack and a 3.5mm unbalanced record output mini jack with volume control (Headphone/Recording: 32 ohm (headphone)/10 k ohm, -20 dB* (recording). Controls of the delegate unit include a talk key which shall provide a microphone and speaker on-off control. The delegate unit shall provide a contact closure output (24 V DC, Max. 50 mA) when microphone is active. The delegate unit shall provide a built in speaker (130 ohm 200 mW). The delegate unit shall be powered by the TS-770 central unit supplying a 35 V DC, under 30 mA line. Operating temperature of the delegate unit shall be 0°C to 40°C (32°F to 104°F). Operating humidity of the chairman unit shall be under 90 % RH (no condensation). The case of the chairman unit shall be constructed of ABS resin with a black finishing. The panel of the chairman unit shall be constructed of ABS resin with gray metallic paint and 50% glossy finishing. The dimensions of the chairman unit shall be 114.5 (W) x 78.4 (H) x 152.9 (D) mm (4.51" x 3.09" x 6.02") and shall weigh 780g (1.72 lb).

TS-775 Remote Delegate Interface Unit

The remote delegate interface unit shall enable people at remote locations to participate in conference meetings. The remote delegate interface unit shall provide an Audio Input/Output for local PC connection to a remote PC participant. The remote delegate interface unit shall support a PC to PC call connection over networks using third party software/service not provided by TOA. The remote delegate interface unit shall provide a RJ-11 connection to connect with a handset connector on a telephone base unit for calls connecting to a remote telephone participant. Speech Mode selectable between Auto (VOX) and Manual (Talk Key On-Off switching function) providing a Contact closure output when microphone is active which can be used for camera call-up, tally, or other devices. The remote delegate interface unit shall be powered by the TS-770 central unit supplying a 35 V DC, under 30 mA line. The remote delegate interface unit shall provide a balanced, mini jack, input equipped with a volume control (-60 dB, 200 ohm). The remote delegate interface unit shall provide a balanced, mini jack output equipped with a volume control (-60 dB, 22 ohm). The remote delegate interface unit shall have an operating temperature 0°C to 40°C (32°F to 104°F). The remote delegate interface unit shall have an operating humidity of under 90 % RH (no condensation). The remote delegate interface unit shall be constructed of finished pre-coated steel plate with black paint. The panel of the remote delegate interface unit shall be constructed of ABS resin with gray metallic paint and 50% glossy finishing. The dimensions of the remote delegate interface unit shall be 160 (W) x 41.8 (H) x 100 (D) mm (6.3" x 1.65" x 3.94") (excluding projection) and shall weigh 700 g (1.54 lb).

TS-773 Standard Microphone

The standard microphone is designed for exclusive use with the chairman and delegate units of the TOA conference system. The standard microphone shall include a ring type speech indicator light at the microphone head showing the operation status of the chairman or delegate unit. The standard microphone provides a secure connection to the chairman or delegate station utilizing a XLR-4-32 connector with a secure push lock. The standard microphone shall be an electret condenser type and shall be unidirectional. The standard microphone shall provide a sturdy and adjustable gooseneck. The rated impedance shall be 1.8 k ohm. The rated sensitivity shall be -37 dB (1 kHz, 0 dB = 1 v/Pa). The frequency response shall be 100-13,000 Hz. The finish of the gooseneck shall be stainless steel, black. Length shall be 368 mm (14.49"). Weight shall be 90 g (0.2 lb).

TS-774 Long Microphone

The long microphone is designed for exclusive use with the chairman and delegate units of the TOA conference system. The long microphone shall include a ring type speech indicator light at the microphone head showing the operation status of the chairman or delegate unit. The long microphone provides a secure connection to the chairman or delegate station utilizing a XLR-4-32 connector with a secure push lock. The long microphone shall be an electret condenser type and shall be unidirectional. The long microphone shall provide a sturdy and adjustable gooseneck. The rated impedance shall be 1.8 k

ohm. The rated sensitivity shall be -37 dB (1 kHz, 0 dB = 1 v/Pa).
The frequency response shall be 100-13,000 Hz. The finish of the gooseneck shall be stainless steel, black. Length shall be 518 mm (20.39"). Weight shall be 105 g (0.23 lb).

YR-770-2M Extension Cord

The optional YR-770-2M extension cord shall provide a DIN socket connector (8P, unit's rear-mounted connector side) and a DIN plug (8P, unit's cord connector side). The length shall be 2m (6.56 ft).

YR-770-10M Extension Cord

The optional YR-770-10M extension cord shall provide a DIN socket connector (8P, unit's rear-mounted connector side) and a DIN plug (8P, unit's cord connector side). The length shall be 10 m (32.81 ft).