

Trantec S4.10 Microphone

S4.10-BTX

Wireless Beltpack Transmitter

The wireless beltpack transmitter shall operate in the UHF band between 506 - 937.5 MHz with up to 16 simultaneous channels (region dependent). Antenna diversity and an inaudible pilot tone shall be employed to improve quality of reception.

The transmitter is to be used with optional microphones using a lockable 3.5mm jack plug and shall have an audio bandwidth between 50 Hz to 15 kHz and power transmission shall not exceed 10 milliwatts.

The transmitter shall be able to operate continuously for up to 10 hours on a single AA battery, a green lamp will indicate sufficient power and will flash when power is low. Battery status shall be transmitted to the receiver.

The transmitter shall have an ON/OFF switch that is easily accessible on the exterior of the beltpack and by simply sliding the battery cover off reveals additional functions as follows: a numerical LED display indicating selected frequency, channel setting key (SET) used to select channel frequency, infrared (IR) port that receives infrared signal from the receiver, MIC/ Instrument switch and audio level control.

The finished body shall be black coated ABS resin measuring 62 (W) $\frac{1}{2}$ 100 (H) $\frac{1}{2}$ 25 (D) mm (2.44" $\frac{1}{2}$ 3.93" $\frac{1}{2}$ 0.98") and weighing (with battery) 85 g (0.19 lb.) Associated products: S4.10-RXA, S4.10-RX1 and S4.10-RX2 wireless receivers manufactured by TOA Corporation.

Optional extras: MIC-LP2 lavalier microphone, MIC-SJ55 lavalier microphone, MIC-SJ212 lavalier microphone, MIC-SJ33 headworn microphone, MIC-SJ66 aerobics microphone, MIC-SJ22 headband microphone, MIC-SJEM77 ear worn microphone from the Trantec range of products manufactured by TOA Corporation

Manufacturer: TOA Corporation

Model: S4.10-BTX

S4.10-HDX

Handheld Wireless Microphone

The handheld wireless microphone shall operate in the UHF band between 506 - 937.5 MHz with up to 16 simultaneous channels (region dependent). Antenna diversity and an inaudible pilot tone shall be employed to improve quality of reception.

The microphone shall utilise a dynamic type element with a cardioid pattern and shall have an audio bandwidth of between 80 Hz - 15 kHz. Power transmission shall not exceed 10 milliwatts and shall have an internal antenna concealed within the body. The microphone shall be able to operate continuously for up to 10 hours on a single AA battery, a green lamp at the base will indicate sufficient power and will flash when power is low. Battery status shall be transmitted to the receiver.

The microphone shall have an ON/OFF switch that is easily accessible on the exterior of the microphone and by simply twisting and pulling down the handgrip reveals additional functions as follows: A numerical LED display indicating selected frequency, channel setting key (SET) used to select channel frequency, infrared (IR) port that receives infrared signal from the receiver, PAD switch for adjusting sensitivity (H = 0dB, L = -10dB).

The finished body shall be black coated ABS resin with a steel black head capsule measuring overall $\frac{1}{2}$ 55 $\frac{1}{2}$ 250 mm ($\frac{1}{2}$ 2.16" $\frac{1}{2}$ 9.84") and weighing 245 g (0.54 lb.) (with battery).

Associated products: S4.10-RXA, S4.10-RX1 and S4.10-RX2 wireless receivers manufactured by TOA Corporation.

Manufacturer: TOA Corporation

Model: S4.10-HDX

S4.10-RX1

Wireless Receiver

The wireless receiver shall operate in the UHF band between 506 - 937.5 MHz with up to 16 simultaneous channels (region dependent). Antenna diversity and an inaudible pilot tone shall be employed to improve quality of reception. The device shall have a frequency response of 50 Hz - 15 kHz and shall be suitable for vocal, musical instruments and speech reinforcement applications. On the front panel, there shall be lamp indicators for monitoring the status of the RF signal levels, A/B diversity signals and AF peak signal levels. There shall be an LED display indicating channel selection and battery status. A channel confirmation SET key and an infrared SYNC key shall also be included on the front panel. The infrared radiator shall transmit set-up parameter data to the transmitter.

On the rear panel, there shall be a balanced XLR socket and an unbalanced 6.35mm (1/4") jack socket, output level control and two BNC A/B antenna connectors. The receiver shall have two detachable whip antennas with 75-ohm impedance with 9 VDC for optional remote dipole antennas. Power requirements shall be AC mains via the approved supplied AC-DC adapter with a power consumption of 500 mA (11-18 VDC). The unit shall use only half width standard EIA component rack space and its dimensions shall be 210 (W) x 44 (H) x 202 (D) mm (8.27" x 1.73" x 7.91") weighing 680g and finished in black resin.

Available transmitters: S4.10-HDX handheld transmitter with a dynamic microphone element. S4.10-BTX beltpack transmitter.

Optional extras: MB-WT3 for rack mounting one unit. MB-WT4 for rack mounting two units manufactured by TOA Corporation

Manufacturer: TOA Corporation

Model: S4.10-RX1

S4.10-RX2

Dual Channel Wireless Receiver

The dual-channel wireless receiver shall be capable of receiving signals from two independent transmitters simultaneously and shall operate in the UHF band between 506 - 937.5 MHz with up to 16 simultaneous channels (region dependent). Antenna diversity and an inaudible pilot tone shall be employed to improve quality of reception.

The device shall have a frequency response of 50 Hz - 15 kHz and shall be suitable for vocal, musical instruments and speech reinforcement applications.

On the front panel, there shall be lamp indicators for monitoring the status of the RF signal levels, A/B diversity signals and AF peak signal levels. There shall be an LED display indicating channel selection and battery status. A channel confirmation SET key and an infrared SYNC key shall also be included on the front panel. The infrared radiator shall transmit set-up parameter data to the transmitter.

On the rear panel, there shall be a balanced XLR socket and an unbalanced 6.35mm (1/4") jack socket, output level control and two BNC A/B antenna connectors. The receiver shall have two detachable whip antennas with 75 ohm impedance and 9 VDC for optional remote dipole antennas.

Power requirements shall be AC mains via the approved supplied AC-DC adapter with a power consumption of 500 mA (11-18 VDC). The unit shall use only half width standard EIA component rack space and its dimensions shall be 210 (W) x 44 (H) x 202 (D) mm (8.27" x 1.73" x 7.91") weighing 720g and finished in black resin. Available transmitters: S4.10-HDX handheld transmitter with a dynamic microphone element. S4.10-BTX beltpack transmitter.

Optional extras: MB-WT3 for rack mounting one unit. MB-WT4 for rack mounting two units manufactured by TOA Corporation

Manufacturer: TOA Corporation

Model: S4.10-RX2

S4.10-RXA

Wireless Receiver

The wireless receiver shall be a free-standing unit operating in the UHF band between 506 - 937.5 MHz with up to 16 simultaneous channels (region dependent). Antenna diversity and an inaudible pilot

tone shall be employed to improve quality of reception.

The device shall have a frequency response of 50 Hz - 15 kHz and shall be suitable for vocal, musical instruments and speech reinforcement applications.

On the front panel, there shall be lamp indicators for monitoring the status of the RF signal levels, A/B diversity signals and AF peak signal levels. There shall be an LED display indicating channel selection and battery status. A channel confirmation SET key and an infrared SYNC key shall also be included on the front panel. The infrared radiator shall transmit set-up parameter data to the transmitter.

On the rear panel, there shall be a balanced XLR socket and an unbalanced 6.35mm (1/4") jack socket, output level control and two BNC A/B antenna connectors. The receiver shall have two detachable whip antennas with 75-ohm impedance with 9 VDC for optional remote dipole antennas.

Power requirements shall be AC mains via the approved supplied AC-DC adapter with a power consumption of 500 mA (11-18 VDC). The finish shall be black resin measuring 215 (W) x 39 (H) x 102 (D) mm (8.46" x 1.53" x 4.01") weighing 480g.

Available transmitters: S4.10-HDX handheld transmitter with a dynamic microphone, S4.10-BTX beltpack transmitter.

Manufacturer: TOA Corporation

Model: S4.10-RXA