

SOUND REPEATER

EV-20R (Desktop Type)

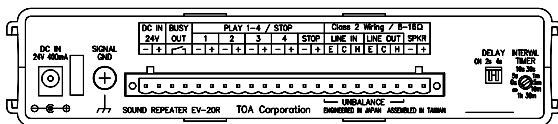


DESCRIPTION

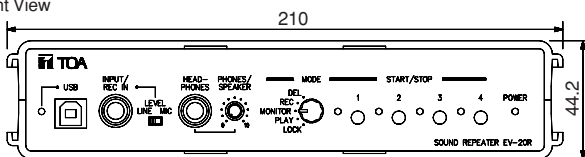
The EV-20R is a convenient addition to sites where the same message or music is repeatedly broadcast. Up to 4 types of music and messages (6 minutes total time) can be recorded and played back. The USB port facilitates recording by transferring the supplied sound sources from a PC to the unit. The unit's small built-in amplifier enables small-scale broadcasts through a simple speaker connection.

APPEARANCE AND DIMENSIONAL DIAGRAM

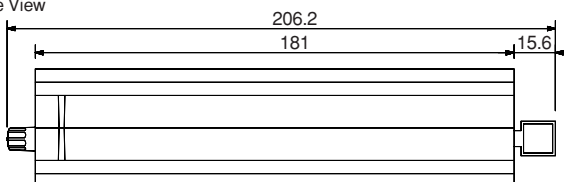
Rear View



Front View



Side View



Unit: mm

FEATURES

- Up to 4 separate message selections or announcements to a total maximum of three minutes may be recorded for playback as desired. Front panel-mounted recording inputs (mic./line switchable) keep the process simple.
- A built-in interval timer allows messages to be repeated at various time intervals (0.5, 10, and 30 seconds or 1.5, 10, and 30 minutes or 1 hour or ∞).
- A 3W/8Ω amplifier section is built-in, allowing the EV-20R to be directly connected to speakers. A control for adjusting an external input source level is convenient when setting up programmed playback.
- A line input and output are included for connecting various other program sources including CD players or dedicated BGM units.
- A USB interface permits audio data to be transferred from a PC.
- Recorded data is not compressed, ensuring high quality sound output.
- Analog recording terminals enable direct recording from a microphone or CD player.
- Playback and stop functions can be remotely controlled by way of connected external equipment.

SPECIFICATIONS

Power Source	Supplied from an external 24V DC/400mA power supply or from an optional AD-246 AC adapter
Power Consumption	10W (rated output)
Wave Format	44.1kHz sampling frequency, 16-bit PCM (monaural)
Frequency Response	20 - 20,000Hz ± 3 dB (1kHz) 50 - 14,000Hz ± 3 dB (IT-450 mounted, 1kHz)
Distortion	Under 1% (1kHz, rated output)
Recording System	USB data transfer or analog recording
Control Input	Play 1 - 4, stop: No-voltage make contact input, pulse make length : 200ms, open voltage: 30V DC, short-circuit current : 10mA terminal block type connector
Control Output	Busy : Contact capacity: 30V DC/0.5A, terminal block type connector
Input	Input / Recording input : Mic: -60dB*, 2.2k Ω / Line: -20dB*, 10k Ω , (Mic/Line changeable), unbalanced, phone jack Line input : 0dB*, 10k Ω , unbalanced, terminal block type connector
Output	Line output : 0dB*, 600 Ω , unbalanced, terminal block type connector Headphone output : 0dB*, 100 Ω , unbalanced, phone jack Speaker output : 3W, 8 Ω , terminal block type connector
LED Indicator	POWER, USB, START/STOP 1-4
Maximum No. of Messages	4 Pre-recorded audio data: Message 1, Westminster chime* ² Message 2, Ascending 4-tone chime* ² Message 3, Descending 4-tone chime* ² Message 4, None Note: The above audio sources can be overwritten by using the supplied software.
Maximum Recording Time	6 min
Message Delay Time	0s, 2s or 4s (selectable)
Playback Interval Time	∞ , 0s, 5s, 10s, 30s, 1 min, 4 min, 10 min, 30 min or 1 h (selectable)
Finish	Case : ABS resin, black
Dimensions	210 (W) x 44.2 (H) x 181 (D) mm (excluding projection)
Weight	730g
Accessory	CD-ROM (USB data transfer software and sample chimes recorded) \times 1, Unbalanced-phone plug \times 1, USB cable (1m) \times 1, Terminal block type connector (22 poles) \times 1, Rubber foot \times 4

* 0dB = 1V

*² These audio sources are also contained in the supplied CD-ROM as sample audio data.

USB Date Transfer Software Operation Environment

Personal Computer	Windows PC (equipped with the USB terminal)
Main Specifications	CPU : Pentium compatible CPU of 300MHz or faster Memory : 128MB or more Free disk space : 10MB or more (space for message storage excluded) Optical drive : CD-ROM drive
OS	Windows XP (32-bit edition)/Vista (32-bit edition)/7 (32-bit edition)

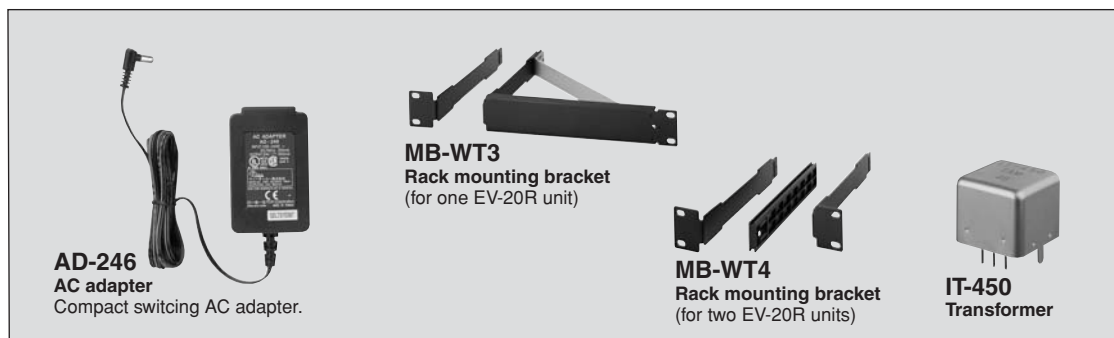
Notes: Pentium is a trademark of Intel Corporation.

Windows is a trademark of Microsoft Corporation.

Other company names and products are also trademarks of individual companies.

Line input and line output can be converted to balanced type using an optional IT-450 transformer.

OPTIONAL ACCESSORIES



TOA Corporation

www.toa.jp

Specifications are subject to change without notice.
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