TOA

SOUND REPEATER   EV-20R

■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.

■SPECIFICATIONS

(*1) 0 dB = 1 V

Power Source	Supplied from an external 24 V DC/400 mA power supply or from an optional AD-246 AC adapter
Power Consumption	10 W (rated output)
Wave Format	44.1 kHz sampling frequency, 16-bit PCM (monaural)
Frequency Response	20 Hz − 20 kHz ±3 dB (1 kHz) 50 Hz − 14 kHz ±3 dB (IT-450 mounted, 1 kHz)
Distortion	1 % or less (1 kHz, rated output)
Recording System	USB data transfer or analog recording
Control Input	Play 1-4, stop: No-voltage make contact input, pulse make length: 200 ms, open voltage: 30 V DC, short-circuit current: 10 mA removable terminal block (22 pins)
Control Output	Busy: Contact capacity: 30 V DC/0.5 A, removable terminal block (22 pins)
Input	Input/Recording input: Mic: −60 dB(*1), 2.2 kΩ/ Line: −20 dB(*1), 10 kΩ, (Mic/Line changeable), unbalanced, phone jack Line input: 0 dB(*1), 10 kΩ, unbalanced, removable terminal block (22 pins)
Output	Line output: 0 dB(*1), 600 Ω, unbalanced, removable terminal block (22 pins) Headphone output: 0 dB(*1), 100 Ω, unbalanced, phone jack Speaker output: 3 W, 8 Ω, removable terminal block (22 pins)
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	0, 2 s or 4 s (selectable)
Playback Interval Time	∞, 0, 5 s, 10 s, 30 s, 1 min, 5 min, 10 min, 30 min or 1 h (selectable)
Operating Temperature	0 ℃ to +40 ℃
Operating Humidity	90 %RH or less (no condensation)
Finish	Case: ABS resin, black
Dimensions	210 (W) × 44.2 (H) × 181 (D) mm (excluding projection)
Weight	730 g
Accessory	CD-ROM (USB data transfer software and sample chimes recorded)···1, Unbalanced-phone plug···1, USB cable (1 m)···1, Removable terminal plug (22 pins)···1, Rubber foot···4
Option	Rack mounting bracket: MB-WT3 (for rack mounting one EV-20R unit) MB-WT4 (for rack mounting two EV-20R units) AC adapter: AD-246

(*2) These audio sources are also contained in the supplied CD-ROM as sample audio data.
※ Line input and Line output can be converted to balanced type using an optional IT-450 transformer.
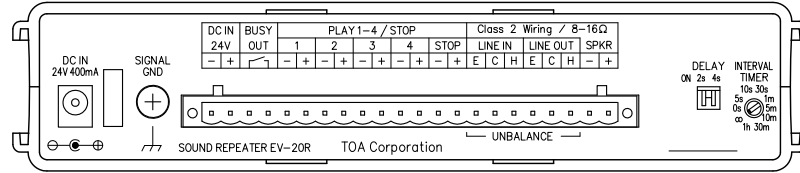
USB Data Transfer Software Operation Environment

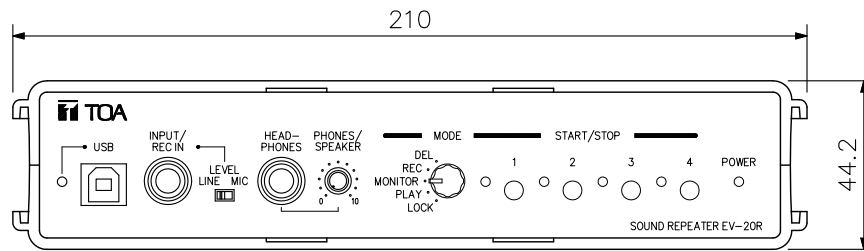|	
Personal Computer	Windows PC (equipped with the USB terminal)
Main Specifications	CPU: Pentium 4, 2 GHz or greater Memory: 2 GB or more Free disk space: 10 MB or more (space for message storage excluded) Optical Drive: CD-ROM drive
OS	Windows 7 Professional (32/64-bit) Windows 8.1 Pro (64-bit) Windows 10 Pro (64-bit)

※ Pentium is a trademark of Intel Corporation.
※ Windows is a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
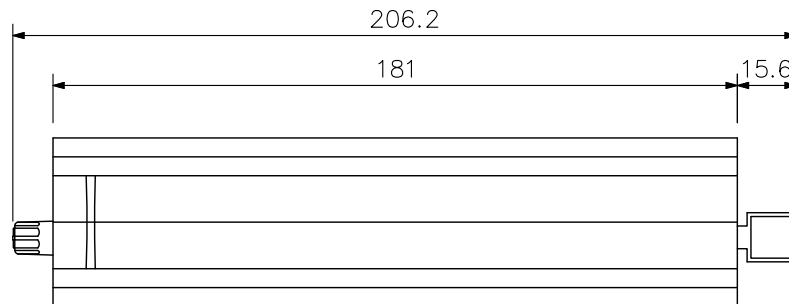※ Other company names and products are also trademarks of individual companies.

TOA Corporation

■APPEARANCE

Rear View

210

44.2

Front View

206.2

181   15.6

Side View

UNIT: mm   SCALE: 1/2