

## ■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 (3 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

\* 0 dB = 1 V

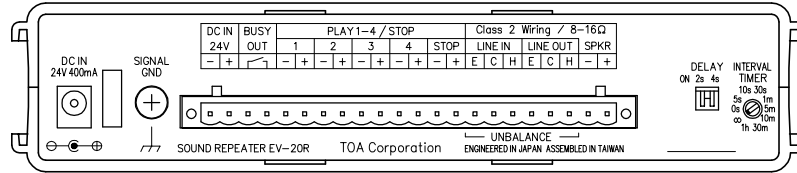
Power Source	Supplied from an external 24 V DC/400 mA power supply or from an optional AD-246 AC adapter
Power Consumption	10 W (rated output)
Wave Format	44.1 kHz sampling frequency, 16-bit PCM (monaural)
Frequency Response	20 Hz - 20 kHz $\pm 3$ dB (1 kHz) 50 Hz - 14 kHz $\pm 3$ dB (IT-450 mounted, 1 kHz)
Distortion	Under 1 % (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*, 2.2 k $\Omega$ / Line: -20 dB*, 10 k $\Omega$ , (Mic/Line changeable), unbalanced, phone jack Line input: 0 dB*, 10 k $\Omega$ , unbalanced, removable terminal block (22 pins)
Output	Line output: 0 dB*, 600 $\Omega$ , unbalanced, removable terminal block (22 pins) Headphone output: 0 dB*, 100 $\Omega$ , unbalanced, phone jack Speaker output: 3 W, 8 $\Omega$ , removable terminal block (22 pins)
LED Indicator	POWER, USB, START/STOP 1-4
Maximum No. of Messages	4
Maximum Recording Time	6 min
Message Delay Time	0, 2 s or 4 s (selectable)
Playback Interval Time	$\infty$ , 0, 5 s, 10 s, 30 s, 1 min, 5 min, 10 min, 30 min or 1 h (selectable)
Operating Temperature	0 °C to +40 °C
Operating Humidity	Under 90 %RH (no condensation)
Finish	Case: ABS resin, black
Dimensions	210 (W) X 44.2 (H) X 181 (D) mm (excluding projection)
Weight	730 g
Accessory	CD-ROM (USB data transfer software and sample chimes recorded) $\times 1$ , Unbalanced-phone plug $\times 1$ , USB cable (1 m) $\times 1$ , Removable terminal plug (22 pins) $\times 1$ , Rubber foot $\times 4$
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

### USB Data Transfer Software Operation Environment

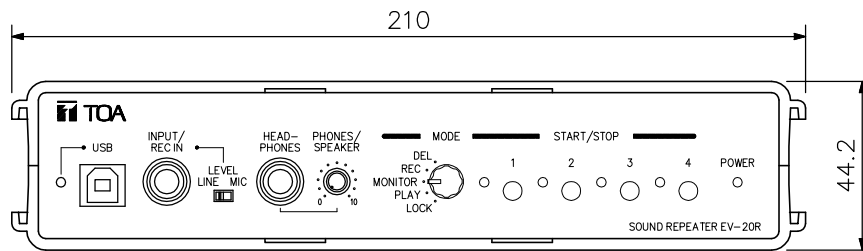
Personal Computer	IBM-AT compatible type (equipped with the USB terminal)
Main Specifications	CPU: Pentium compatible CPU of 133 MHz or more Memory: Over 64 MB (recommended: 128 MB or more) Free disk space: Over 10 MB (space for message storage excluded)
OS	Windows 2000/XP (32-bit edition)/Vista (32-bit 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.

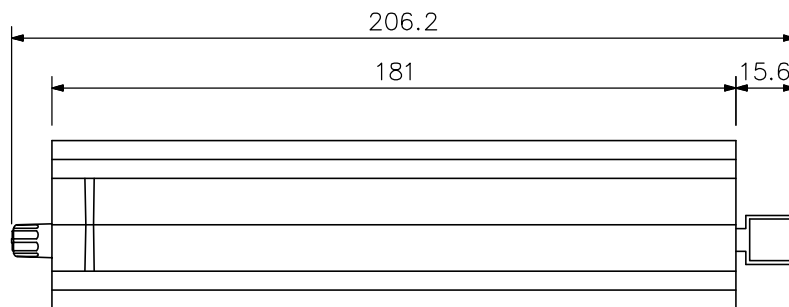
■ APPEARANCE



Rear View



Front View



Side View

UNIT: mm SCALE: 1/2