

SOUND REPEATER

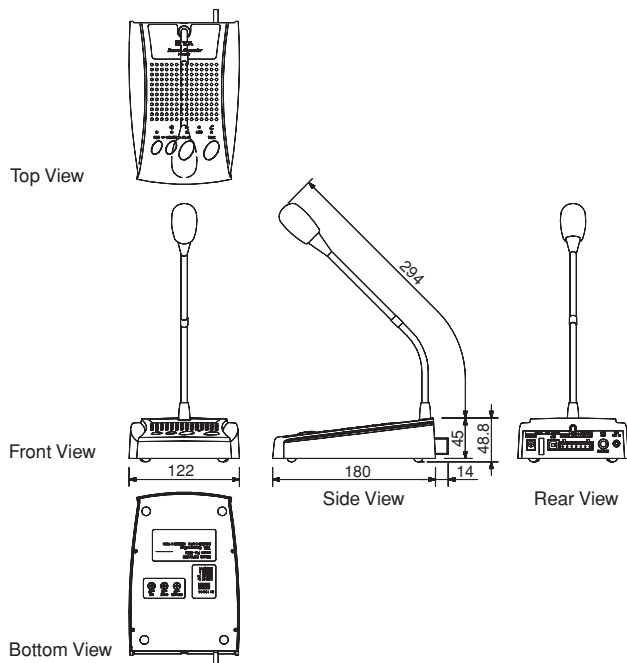
PM-20EV
(Paging Mic. Type)



DESCRIPTION

The PM-20EV is a convenient addition to sites where the same message or music is repeatedly broadcast. Announcements of up to 3 minutes in length can be recorded and broadcast with easy operation. The USB port facilitates change of internal chimes or announcement messages by transferring the supplied sound sources from a PC to the unit. Recorded messages can be checked before broadcasts, ensuring correct and accurate announcements.

APPEARANCE AND DIMENSIONAL DIAGRAM



Unit: mm

FEATURES

- A microphone is included as standard equipment for recording and making announcements.
- Built-in monitor speaker allows checking announcements before broadcasting.
- Automatic chime for marking the start and end of an announcement.
- Rehearsal function helps relieve tension and ensure accuracy during broadcasts.
- Messages of up to 3 minutes in length can be recorded and played back with simple operation.
- Recorded data is not compressed, ensuring high quality sound output.
- Internal chime data can be changed or messages recorded by connecting the unit to personal computer (PC) using the supplied USB cable.
- Built-in compression circuitry prevents sound output distortion caused by excessive signal input.

SPECIFICATIONS

Power Source	Supplied from an external 24V DC/200mA power supply or from an optional AD-246 AC adapter
Power Consumption	5W
Wave Format	44.1kHz sampling frequency, 16-bit PCM (monaural)
Frequency Response	50 - 20,000Hz ± 3 dB (1kHz)
Distortion	Under 1% (1kHz, rated output)
Recording System	USB data transfer or analog recording
Control Output	Busy: Contact capacity: 30V DC/0.5A, terminal block type connector
Input	Unidirectional gooseneck microphone (preinstalled on the unit) External microphone: -37 dB*, 2.2k Ω , unbalanced, mini jack
Output	Line output: 0dB*, 600 Ω , balanced, phone jack, terminal block type connector Monitor speaker (built inside): 0.2W
LED Indicator	USB, REC, MONITOR, PLAY, TALK
Internal Chime Tone	2 tones (4-tone chime (Up) and 4-tone chime (Down)). ON/OFF operations
Maximum No. of Messages	1
Maximum Recording Time	3 min (including chime playback)
Messages Delay Time	0s, 2s or 4s (selectable)
Finish	Case: ABS resin, silver
Dimensions	122(W) x 48.8(H) x 180(D)mm (microphone and projections not included)
Weight	710g
Accessory	CD-ROM (USB data transfer software and sample chimes recorded) x 1, USB cable (1m) x 1, Unbalanced-phone plug cord (2m) x 1, Terminal block type connector (7 poles) x 1

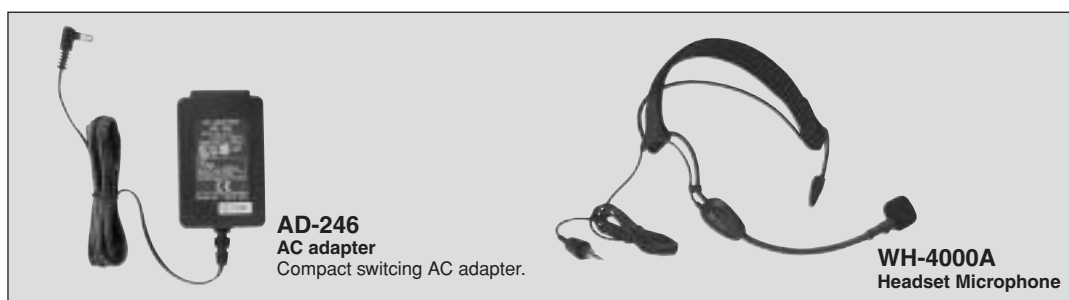
* 0dB = 1V

USB Date Transfer Software Operation Environment

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

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.

OPTIONAL ACCESSORIES



AD-246
AC adapter
Compact switching AC adapter.

WH-4000A
Headset Microphone