



IP REMOTE MICROPHONE

IP-A1RM(Y)

■DESCRIPTION

The IP-A1RM is an IP remote microphone which is designed to make audio broadcasts to IP-A1 series receiving devices via network. It achieves clear microphone announcements without distortion thanks to its built-in compressor effect. It allows both individual and group broadcast so that single or multiple IP-A1 series receiving device(s) can receive the audio as flexible PA operation. Key button operation controls a variety of functions such as internal audio file playback, HTTP/HTTPS command set transmission and physical control outputs to control external devices.

■SPECIFICATIONS

Power Source	PoE(IEEE802.3af Class 3)
Power Consumption	3.5 W
Audio Transmission Method	SIP broadcasting: Unicast Audio Streaming Group broadcasting: Multicast Audio Streaming
Audio Codec	Opus, PCMU (G.711u), PCMA (G.711a), G.722
Network I/F	100BASE-TX, Auto MDI/MDI-X, RJ45
Network Protocol	IP, TCP, UDP, TLS, HTTP, HTTPS, RTP, SRTP, RTSP, RTCP, SRTCP, ARP, ICMP, IGMPv3, NTP, SIP (RFC3261), SIPS, SIP-TLS, DHCP
Microphone	Unidirectional electret condenser microphone (With microphone indicator and microphone volume control)
AUX Input	1 channel, unbalanced, 10 kΩ LINE/MIC selectable (Rated input: LINE: 0 dB (*1), MIC: -60 dB (*1)) PAD function (-20 dB (*1)), AUX volume adjustable, ø3.5 mm mini jack
Monitor Speaker	Cone-type speaker, Speaker volume adjustable, Rated Output: 1 W
Control Input	2 channel, no-voltage make contact inputs, open voltage: 5V DC, short-circuit current: 2 mA or less, push-in terminal block
Mute Control Input	1 channel, 24 V DC cut-off signal, control current: 5 mA or less, non-polar, push-in terminal block
Control Output	1 channel, open collector output, withstand voltage: 30 V DC, control current: 150 mA or less, push-in terminal block
Operation	Operation key: TALK, HOME, REC, MONITOR, SHIFT/KEY LOCK Function key: VOLUME, RIGHT, LEFT Selection key: 0 - 9
Indicator	LCD display: 3 (255 × 160 dots) with backlight Indicator: Status indicator (green/blue/yellow/red), Microphone indicator (blue), LINK/ACT indicator (green)
Function	
Manual Broadcast/Control	Manual broadcasting: Microphone broadcast, Recorded audio broadcasting, AUX input broadcast Manual control: control output, command set transmission Control trigger: key operation
Sound Source Files	Max. 20 files (File storage capacity: 80 MB total) Supported file format: WAV file: 8/16/44.1/48 kHz sampling frequency, 8/16 bit, monaural/stereo MP3 file: 32/44.1/48 kHz sampling frequency, 64 - 320 kbps, CBR/VBR, monaural/stereo Repeat playback: Playcount (1-10 times) or Duration (5-3600 sec) Interval time: 0-99 sec, Delay time: 0-99 sec Control trigger: key operation, scheduler, control input, remote API (HTTP/HTTPS)
Recorded Audio Broadcast	Audio recording and playback broadcast with the built-in microphone Max. 2 minutes, 1 message
Chime	Pre and post chime tones (applied for manual broadcast and internal audio file broadcast) Preset chime tone X5, editable tone X2
Scheduler	Scheduled broadcasting and control by WEB-UI (Max. schedule settings: 2000) Configurable actions: Internal message broadcast, AUX input broadcast, control output, command set transmission
Event	Execute event triggered by control input Configurable actions: Internal message broadcast, AUX input broadcast, command set transmission, broadcast disable, system mute
Command Set	20 commands can be registered in each of 10 command set, GET method, POST method
Clock Accuracy	±13 seconds per month
Time Adjustment	Manual time setting, Time adjustment by NTP server
Power Outage Protection	24 hours (RTC time retention, at +40 °C (104 °F))
Language	English/Japanese
Operating Temperature	0 °C to +40 °C (32 °F to 104 °F)
Operating Humidity	90 %RH or less (no condensation)
Finish	ABS resin, black, paint
Dimensions	224 (W) × 47.2 (H) × 136 (D) mm (8.82" × 1.86" × 5.35") (excluding microphone)
Weight	630 g (1.39 lb)
Accessory	Zip tie ×2
Option	Wall mounting bracket: WB-RM500

(*1) 0 dB = 1 V

※ These specifications apply to the firmware version 3.6.0 or later. For the latest specifications and firmware, please refer to the TOA DATA Library (<https://www.toa-products.com/international/>).

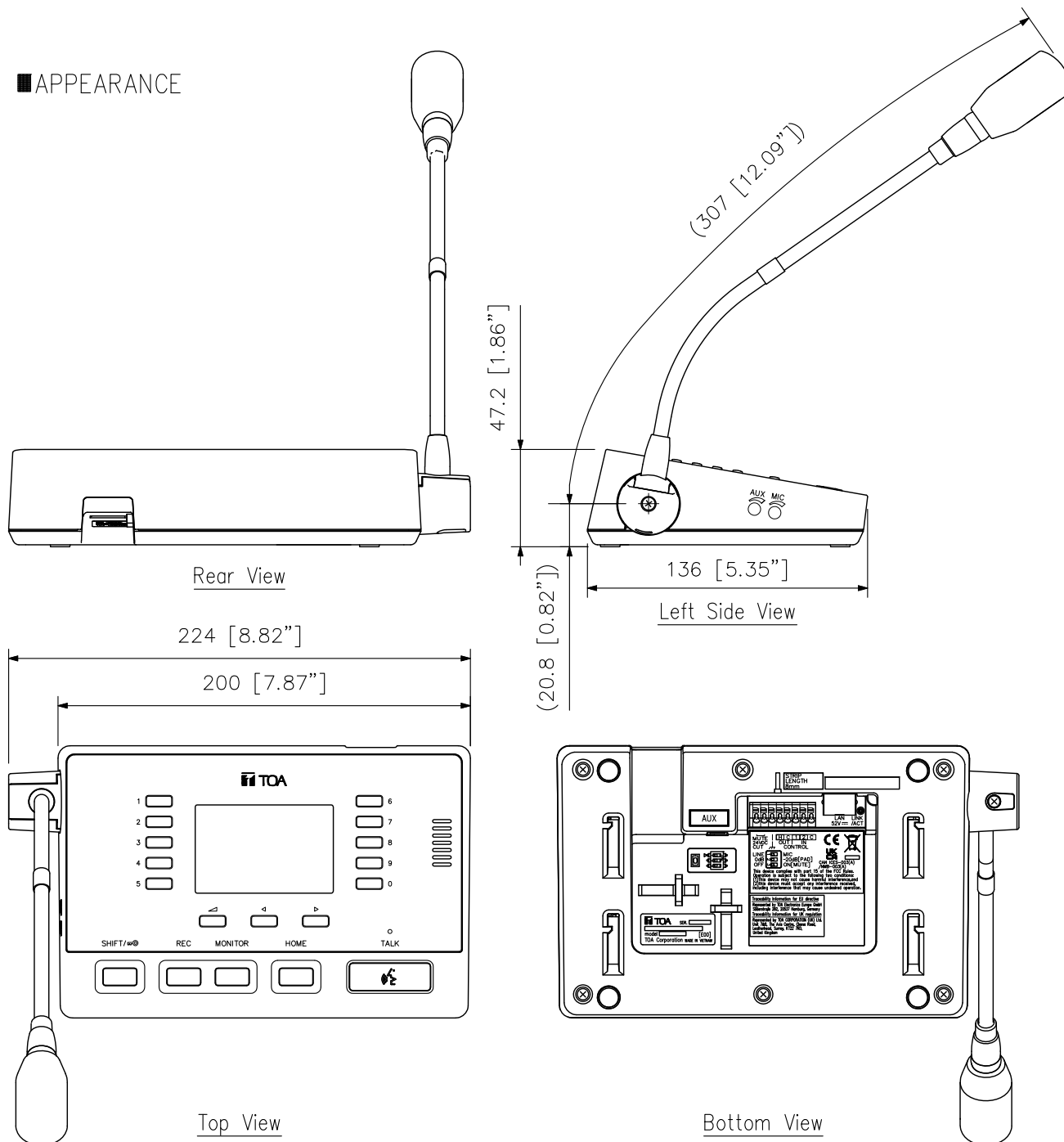
SPECIFICATIONS

Personal Computer Requirements

Display	1920 × 1080 resolution or greater
OS	Windows 10 Pro (64-bit edition) Windows 10 Home (64-bit edition) Windows 11 Pro Windows 11 Home
Required Web Browser	Google Chrome Microsoft Edge

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APPEARANCE



UNIT:mm SCALE:1/3

Note: Numerical values in parentheses are for reference only.