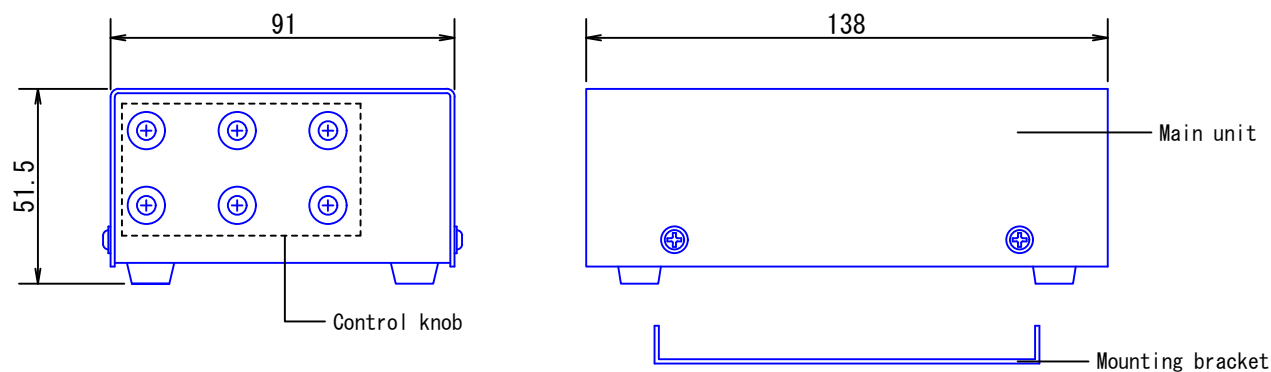
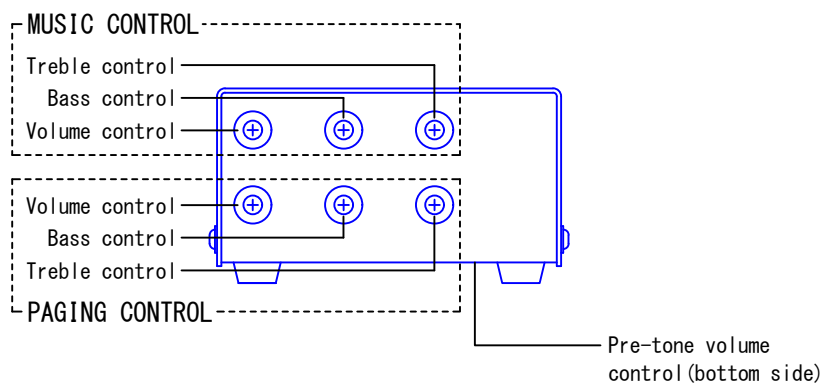


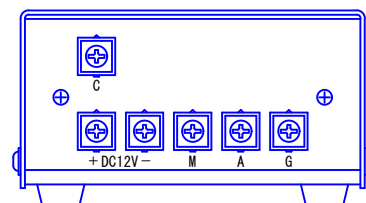
■PRODUCT DRAWING



●FRONT SIDE

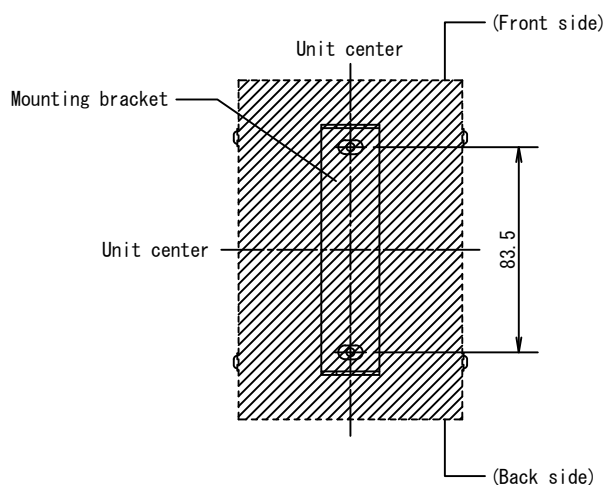


●BACK SIDE



●MOUNTING

- For wall mounting, install with the front side facing upward.

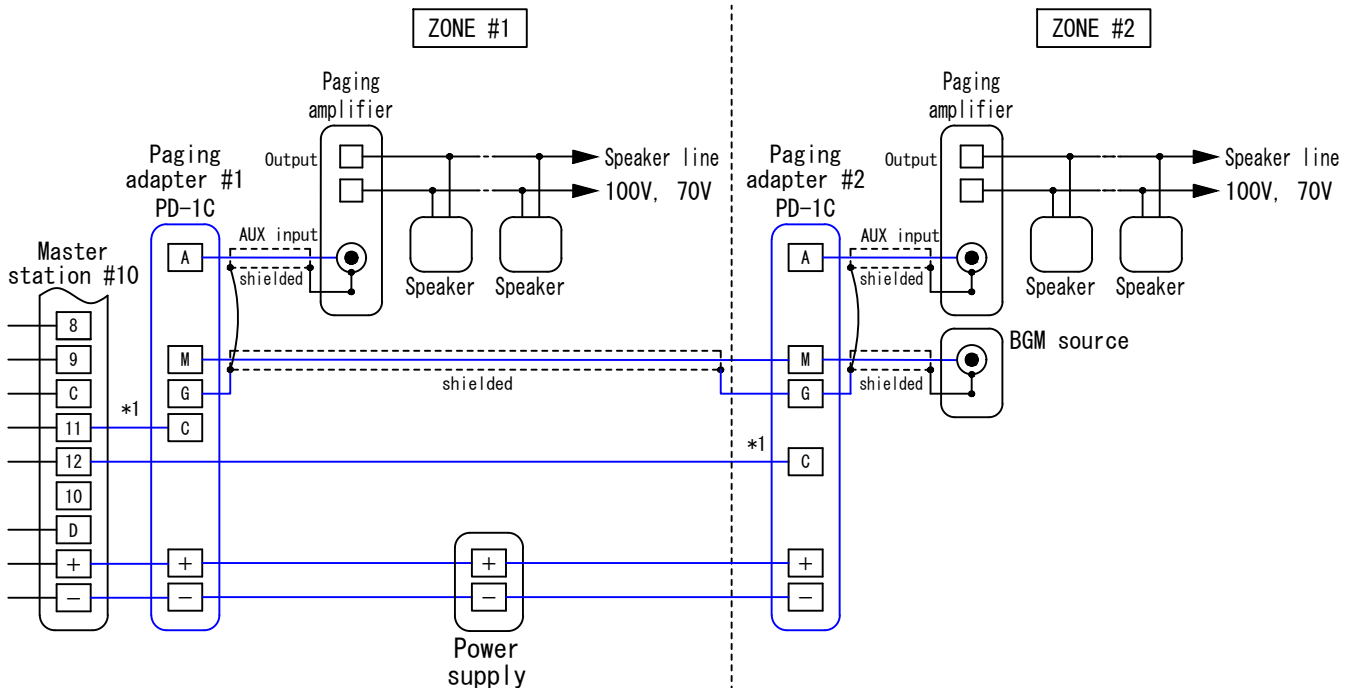


DESCRIPTION PAGING ADAPTER	FIG. NAME PRODUCT DRAWING	UNIT mm	DATE 23 January, 2026
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■ SPECIFICATIONS

Power supply		12V DC (Shared power supply with a master station.)
Current consumption		Standby: 4mA MAX: 16mA (Paging)
Output impedance/level		150 Ω /100mV
Music	Input	12k Ω /100mV
	Tone controls	Treble: at 10kHz, 12dB Bass: at 100Hz, 12dB
Paging	Tone controls	Treble: at 10kHz, 12dB Bass: at 100Hz, 12dB
Paging amplifier requirements		Input: 100mV, 10k Ω Unbalanced Output: Constant voltage line 100V or 70V
BGM source requirements		Impedance 10k Ω Unbalanced
Operation ambient temperature		0 – +40° C (+32 – +104° F)
Material		Galvanized steel plate
Mounting		Desktop or Wall mount
Color		Light sage gray (1Y7/1.5 Munsell Approximation)
Weight		Approx. 430g (0.95 lbs.)

■ WIRING DIAGRAM



*1: Assign any station selector button on each TD master station.

DESCRIPTION PAGING ADAPTER	FIG. NAME SPEC. /WIRING DIAGRAM		UNIT mm	DATE 23 January, 2026
MODEL NO. PD-1C	FIG. NO. P48879-2-3	PAGE 2/3	REVISION 1	AIPHONE

●Paging speakers impedance-matching

- When using a 100V or 70V line amplifier;
 - The total speaker input wattage should be equal to the amplifier output wattage.
(The maximum total speaker wattage is 50W. Refer to the table below for calculation.)
 - Connect the speakers in parallel.
- If the total speaker input wattage exceeds the amplifier output wattage or 50W;
 - Reduce the number of speakers to be installed.
- If the total speaker input wattage is less than the amplifier output wattage;
 - Calculate the compensating resistance required to absorb the excess wattage using the formula below, and connect the resistor in parallel with the speaker line.

$$\text{Compensative resistance} = \frac{\text{Amp. Constant Voltage Line (100V or 70V)}^2}{\text{Amp. Output wattage (W)} - \text{SP Input wattage total (W)}} (\Omega)$$

Rated input	Impedance	Speaker input	
		100V line	70V line
3W	10k Ω	1W	0.5W
	5k Ω	2W	1W
	3.3k Ω	3W	1.5W

■WIRING DISTANCE

From paging adapter to master station

Diameter	0.65mm	0.8mm	0.9mm	1.0mm
Distance	325m	500m	600m	750m

AWG	22AWG	20AWG	18AWG
Distance	1,000'	1,500'	2,450'

From paging adapter to power supply

Diameter	0.65mm	0.8mm	0.9mm	1.0mm
Distance	10m	15m	15m	20m

AWG	22AWG	20AWG	18AWG
Distance	30'	50'	65'

From paging adapter to paging amplifier

Linetype	Shielded wires for audio
Distance	15m

From paging adapter to BGM source

Linetype	Shielded wires for audio
Distance	15m

■RESTRICTIONS

- For paging function, install the paging adaptor. (Counts as one station)
- When connecting a paging adapter to the TD-24HC, connect it to one of the numbered terminals **1**–**12** on the master station.
- Paging amplifier output shall have 100V or 70V constant voltage output terminals, to which paging speakers are connected in parallel.
- The wiring of speaker lines shall be carried out in such a manner that the lines are kept away from paging amplifier input and BGM source output lines. Also, keep the speaker lines more than 50cm away from TD intercom lines. If inevitable, employ a 2-wire shielded cable.
- Use the AUX terminal as the input for the paging amplifier whenever possible. Using the PHONO terminal may result in poor sound quality for paging and BGM. If the PHONO terminal must be used, carefully adjust the sound quality of the adapter.
- Install the paging adapter and power supply near the center of the intercom wiring path, but keep at least 20 cm between them to prevent noise.

DESCRIPTION	FIG. NAME	UNIT	DATE
PAGING ADAPTER	WIRING DIAGRAM/WIRING DIST./RESTR.	mm	23 January, 2026
MODEL NO.	FIG. NO.	PAGE	REVISION
PD-1C	P48879-3-3	3/3	1
AIPHONE			