Overview

Button controller for ADECIA microphones and external devices

Features

- Utilize as a mute button for ADECIA microphones.
- Also used as a group mute for microphones and as a preset / recall button for RM-CR.
- Control other devices directly, including non-Yamaha devices, using IP communication.
- 2 methods of installation: Tabletop and Wall-mounted
- 196.8g, Φ100 x 28.9mm
- Paintable cover

Specifications

General Specifications

Description		Controller
Color		Black
Dimensions (Φ × D)		Φ100 × D29mm
Weight		200g
Power Requirements		PoE (IEEE 802.3af), DC 48V
Maximum Power Consumption		2.6 W
Safety		GB, SAN
EMC		FCC, ICES, CE, UKCA, RCM, GB, KC
In Operation	Temperature	0°C – 40°C
	Humidity	30% – 90% (No condensation)
Storage	Temperature	-20°C – 60°C
	Humidity	30% – 90% (No condensation)
Indicator		Status indicator
Installation		Tabletop, Wall mount
Maximum Device Number with RM-CR		8
Maximum Third-party Device Control Number		5 (number of devices that commands can be simultaneously output to)
Accessories		Manual, Safety Guide, Wall mount cover (paintable), Wall mount plate, 2x Screw for wall mount, Button label

Network Specifications

Ethernet	Remote control, PoE
Cable Requirements	CAT5e or higher (STP)

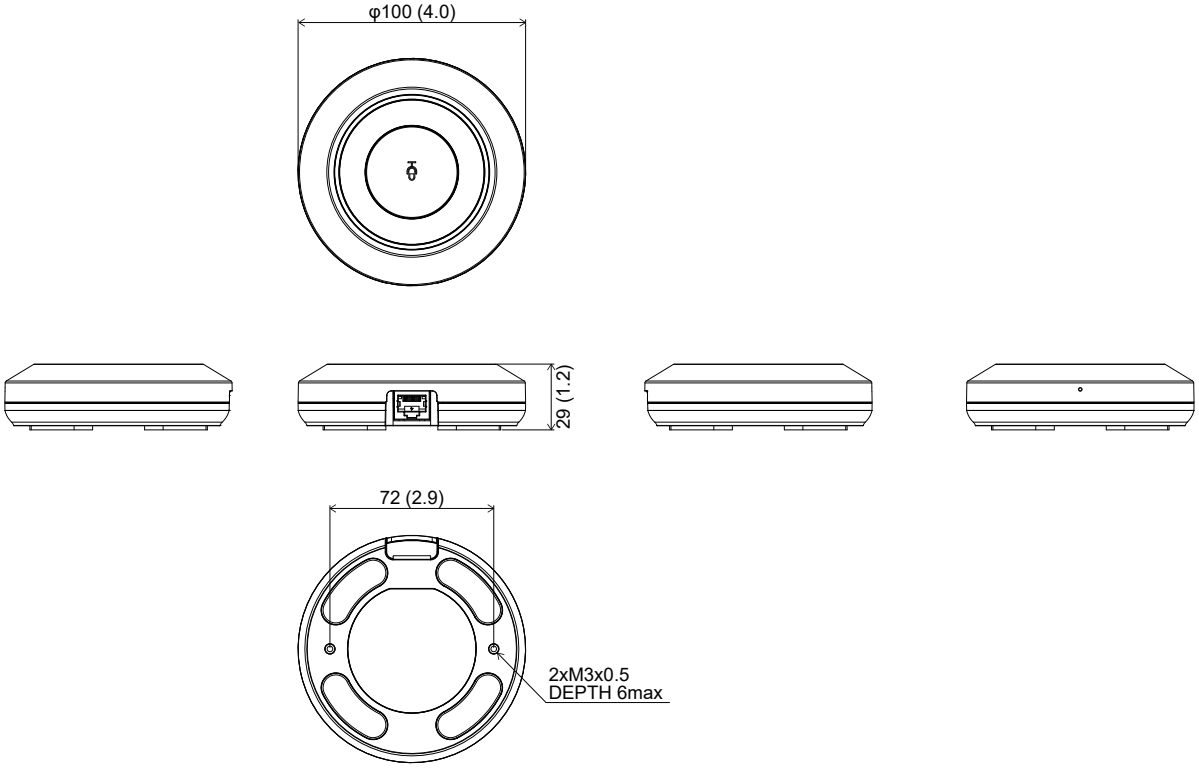
Shipping Package Specifications

Dimensions (W x D x H)	Commercial package: 224 x 176 x 86mm Group package: 462 x 192 x 254mm
Weight	Commercial package: 0.8kg Group package: 4.5kg

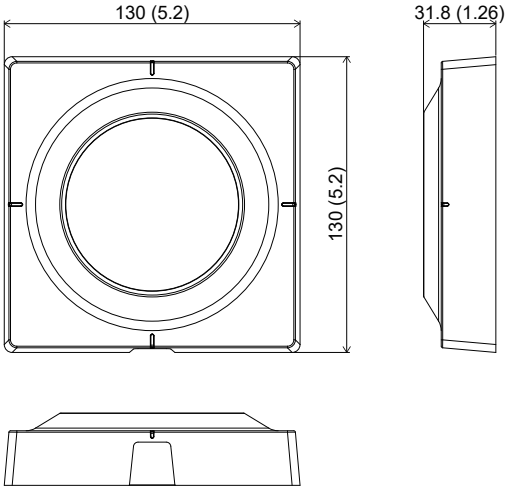
Dimensions

Unit: mm (inch)

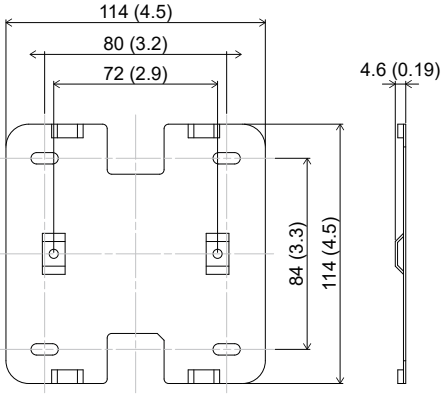
Controller



Wall Mount Cover



Wall Mount Plate



Architectural and Engineering Specifications

The Yamaha CTL-BN1 shall be a single button control interface for multiple use cases. The primary function of the button is to act as a Mute/Unmute button to work in conjunction with the ADECIA range of devices. It can also be used to perform other single functions. The device can be automatically detected through the web interface of an RM-CR processor, or by using the RM Device Finder software – and can be configured using those methods.
The CTL-BN1 shall have a single RJ45 connection through which it will receive PoE (IEEE 802.3 af) and data connectivity. The device can be powered by a PoE injector, or via a PoE network switch, in the manner shown in the device manual. Up to 8 CTL-BN1 units can communicate with a single RM-CR processor. However, a CTL-BN1 can only communicate with a single RM-CR device, It can additionally transmit commands to a maximum of 5 more IP-based devices simultaneously over ethernet. The continuous power rating shall not exceed 2.6 Watts when using PoE (IEEE 802.3 af) power at 48v.
The device includes an LED ring on the top of the unit, which can produce 10 colours.
The button has a tactile movement, that has an audible click when pressed.
The device shall be provided in a single colour – black – and the casing and button surface shall be constructed from ABS plastic.
The CTL-BN1 can be mounted as a wall controller with use of the included mounting solution. The device can also be placed freely on a surface, with the ability to move it as required. The wall mounting cover is paintable.

The device measures 100mm (3.93") diameter, and 29mm (1.14") depth. The device weighs 200g (0.4lbs).
The wall mounting solution measures 130mm (5.12") square, and 31.8mm (1.25") depth outer dimensions.
The bracket for the wall mount measures 114mm (4.49") square, and 4.6mm (0.18") when attached to the wall without the mounting solution attached.

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