Wireless Doorbell Button
Installation Guide
for use with Control4

Introduction ❷
Axxess Doorbell Button can be installed and configured for operation in a Control4 environment to trigger a chime unit controlled by a Control4 interfaced device. Typically, the chime will be controlled by the Axxess Chime Relay.   The Doorbell Button can also be used as a multi-purpose button anywhere to trigger a desired event.

Included
Doorbell Button Device
2 pcs ½ wide double sided foam tape (base mounting)
2 mounting screws
1 Wire Harness

Battery and Power ❸
This device ships with a high density AAA, 1.5V Alkaline battery inserted.

The battery has unique properties, highly superior to alkaline or Li-ion batteries, with its high energy density and extra-wide operational temperature range.

When the device is not joined and in deep sleep, the battery's unique chemistry maintains the highest output quality by periodically "exercising" for a moment. This keeps it fresh and ready for immediate use. We advise against removing and storing the battery separately.

Batteries can be purchased online. A common brand is TADIRAN. Distributors can be found on their website.

Battery Life: 3 Years

Mounting ❹
Before mounting, make sure the device is in a location where you can still push the button to join it to the ZigBee network. If it's in a difficult to reach place, view the instructions for ZigBee networking and join the device to the network before mounting.

The Doorbell Button should be mounted within range of the ZigBee network.

The Axxess Doorbell Button will be mounted near the entrance door either with screws or double-sided tape. The housing of the Axxess Doorbell Button consists of 2 parts, the back plate, which will be mounted to the doorframe or wall, and the face enclosure.

❺
The face enclosure is fastened to the back-plate with a sliding hook at the top and a retaining screw at the bottom end of the face enclosure.   After removing the retaining screw, the face enclosure can be removed by carefully pulling the bottom out about 3/16" and sliding it up and off the top retaining hook.
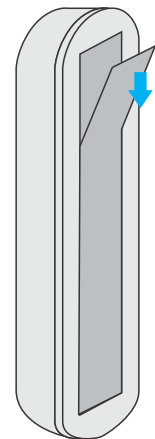
Mounting the Doorbell Button
It may be mounted by attaching the device back plate to the desired surface either by:

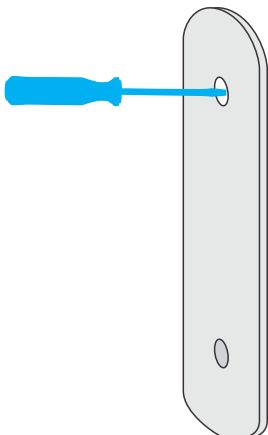1. Mounting with double sided adhesive.
2. Mounting with 2 No.4 wood screws.

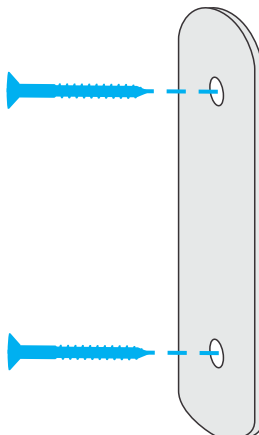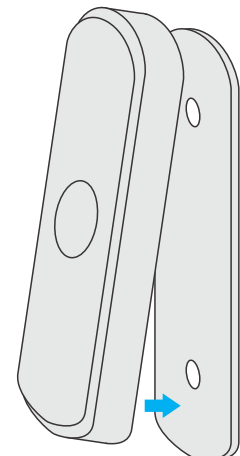### Adhesive Mount ❻
Peel and stick.

Screw Mount ❼
Break out the 2 screw hole areas with a screw driver.

❽
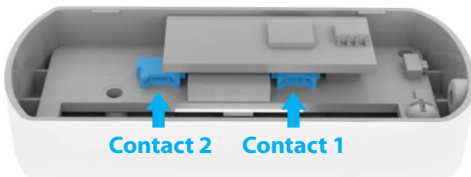Attach back plate to the wall with the 2 provided screws.

❾
Attach the face by hooking the top and tightening the retaining screw at the bottom.

Optional Features ⑩
The Doorbell Button can be fitted with 2 external dry contact leads. The contacts could be mechanical switches or magnetic reed switches.

The external contacts can be plugged into receptacles accessible upon removal of the battery. The receptacle closest to the negative battery terminal is Contact 1, the other is Contact 2.

Contact 2   Contact 1

Axxess can supply optional external contact harnesses either with or without magnetic reed switches. ⑪

In either case the Doorbell Button end of the harness is terminated with a connector that plugs into the receptacles.

External Contact Setup
To set up the external contacts, put the device into setup mode with 8 taps on the network push button. Once in setup mode, the device will respond with audible beeps when Contact 1 or Contact 2 is closed.

Setup will automatically exit after 8 minutes, and can also be turned off in composer.

External Contact Breakout ⑫
Break out the center area with a screw driver to run external contacts out of the device.

ZigBee Network ⑬
The device has to be mounted within the range of the ZigBee network in which it is to operate.

A network push button is located inside the pinhole to the left of the retaining screw. Use a paper clip to press the button.

Join: 4 taps   ◀ 6 beeps - ascending
Leave: 13 taps   ◀ 6 beeps - descending
Setup: 8 taps   ◀ 2 beep - ascending
Reset: 15 taps   ◀ 6 beeps - ascending
                              (If joined)
                      ◀ 6 beeps - descending
                              (If not joined)

ZigBee Network (Cont'd) ⑭
When joining, the device will beep up to two times while searching for a network. Once it has joined it will give 6 ascending beeps. When powering up the device it will give 6 ascending beeps to indicate it is joined, or 6 descending beeps to indicate it is not joined.

The range of the device can vary depending on the strength of the router it is connected to, as well as the physical elements surrounding the installation. Typically the device can communicate up to 400 feet in the open, however, this can be reduced to 40 feet when indoors depending on the routing device. Make sure the network is designed properly and that the strength of the router and physical barriers are taken into consideration.

Troubleshooting ⑮
There are only 2 device conditions that can be broken.

If you hear the beeps in response to network taps, then you have battery power.

If not, reseat battery. After reseating battery the device will boot up (1min). Following boot up network taps should result in beeps. If not, try a new Axxess approved battery.

If you have attached external magnetic contacts and you hear beeps upon taps but you don't receive ZigBee messages for open or close, put the device into test mode (8 taps) and close the external contacts.

If the device responds with beeps when the contact is closed then the message problem is in the network setup (device is not joined). ⑯

If you don't hear beeps when in setup mode and when contacts are closed, then there may be a problem with the device.

Make sure the device is in setup mode by 8 tapping the push button and hearing the 2 confirming beeps.

A complete list of troubleshooting and additional information is available at:
axxind.com/dealers/troubleshooting

Composer ⑰
Instructions for using this device with Composer can be accessed on our website:
axxind.com/dealers/composer

Drivers
Control4 device Drivers are available for download on our website:
axxind.com/dealers/drivers

The properties page contains a battery level value, which may be programmed to provide notification for battery replacement.