Brivo Door Station Installation Guide

This guide is for installing the **B-BDS-B - Brivo Door Station**

Included:
- Door Station, Hood, Wedge, and Wall Plate
- (2) Anchors
- (2) Mounting Screws
- (1) Security Screw
- (1) L shaped screwdriver

**Tools needed to install a Brivo Door Station:**
- Phillips screwdriver
- 6-32 Tap (if installing on metal)
- 1" (25mm), 1/8" drill bits
- T8 Security Torx bit (optional for increased tamper protection)

Hardware and firmware requirements for the Brivo Door Station

The Brivo Door Station is supported on the following Brivo hardware: ACS100, ACS300, ACS6000-MBE, ACS6100-DB and ACS-SDC. For the Brivo Door Station to function properly, ensure the Brivo control panel is running the latest version of firmware (6.2.5 or later) and that the Brivo Door Station is running the latest version of firmware (1.0.4 or later). If needed. please contact Brivo Technical Support at 866-274-8648 or email customercare@brivo.com for assistance.

1 Mounting Holes for Wall Plate or Wedge

When mounting to drywall, use the wall plate or wedge as a guide for drilling the mounting screw holes and the wiring bundle access, or mount directly to single gang junction box.

Mounting hole distances are adjustable, use the provided mounting screws

1/2" Hole for Pigtail
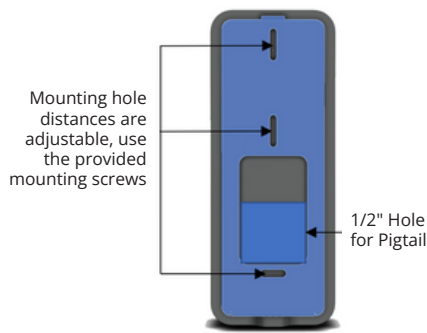
2 Optional: Mount Wedge

If mounting at American with Disabilities Act (ADA) height, using the supplied wedge will provide an improved facial recognition experience at the Brivo Door Station.
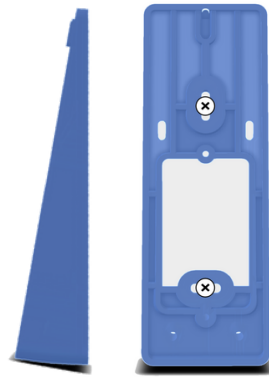
3 Install Wall Plate

Once the holes are prepared, screw in the wall plate to the wall/junction box or to the wedge.

4 Optional: Mount the Brivo Door Station hood

Place the hood over the Brivo Door Station.

5 Wire the cable to the Brivo Door Station

Note: Be sure to thread the wires through the wall plate and optional wedge prior to completing wiring.

Cut the ends of any unused wires to prevent shorting.

Power over Ethernet (POE): Power & Ethernet
- 48VDC, 200mA via PoE(IEEE 802.3af)
- RG45 Female Ethernet connector

OSDP / RS485:
- RS485A (RXD+ or D0) - Orange/White
- RS485B (RXD- or D1) - Green/White
- GND - Black

Note: There are two black ground wires. Connect both.

(Optional) Doorbell Output (Max 30VDC / 1A):
- Normally Open Contact (2 wires) - Orange/Red
- Common Contact (2 wires) - Brown/Red
- Normally Closed Contact (2 wires) - Blue/Yellow

Note: To support 1A wire, both sets of wires need to be wired.

Note: Intercom functionality is not supported when the Brivo Door Station is used as a secondary OSDP reader with the ACS100 control panel.

6 Attach the Brivo Door Station to the Wall Plate

Align the Brivo Door Station so that the tabs at the top back of the unit slide into the slots at the top of the wall plate and slide/push the bottom of the Brivo Door Station into position.

Door Station Mounting Tabs

7 Install the Brivo Door Station security screw

Install the security screw at the bottom of the Brivo Door Station.

Security screw without hood

Security screw with hood

8 OSDP/Network Setup

Note: On ACS6000 panels, set the RS485 switch to **ON.**

Note: The Brivo Door Station does not support Wiegand wiring.

· After powering up and OSDP communication has been established, the LED will display the current door status (the default is blue for idle state).

· Refer to the appropriate control panel installation guide or Brivo online help for configuring your OSDP installation.

· Default IP setting uses DHCP. For setting a static IP address, refer to the Panel Networking Guide.

Brivo documentation can be found at https://resources.brivo.com.

9 Reader LED Indications

Startup:
· Flashing blue LED to solid blue LED after booted and IP address established.

OSDP Operation:
· The Brivo control panel drives the LED Operation of the Brivo Door Station.

Credential Presentation:
· Card swipe/BLE BMP/Successful Face Recognition; Flash green, beep once before returning to OSDP control.
· Face Detection: As user approaches the reader, it will begin to flash yellow once a face is detected. If the user continues and is known, a facial recognition will be made.

10 Maintenance Mode Operations

To use maintenance mode:
· Press the pinhole button on the back of the BDS for at least 2 seconds.

· Maintenance mode will cause both LEDs to turn Orange on the front of the BDS

Note: The left LED will remain orange while you are in maintenance mode, only the right LED changes color

· Press the doorbell button on the front of the BDS to cycle between the different maintenance mode options. Long-press the button(between 2 and 8 seconds) in order to select the option. The maintenance mode selection loops around.

· To get out of maintenance mode, select an appropriate option OR press the pinhole on the back of the BDS for less than 2 seconds.

Left LED	Right LED	Action when selected
Orange	Orange	Exit maintenance mode
Orange	Blue	Reboot the Brivo Door Station
Orange	Yellow	Set OSDP install mode. This deletes any OSDP key(if existing) and disables secure mode enforcement.
Orange	Red	Factory reset. Once the factory reset it selected, data will be deleted and the original password as set by the factory will be set. This takes several minutes in order to complete, and the LEDs will flash red while doing a factory reset

To Test:
Power the Brivo Door Station and wait for the power up LED beep sequence to complete. Present a valid credential to the reader and the light-bar will turn green. If this test fails, check the wiring. All wiring methods used shall be in accordance with the National Electrical Code, ANSI/NFPA 70.

Performance Levels:
- Destructive Attack: I
- Line Security: I
- Endurance: IV (13.56 MHz, I (BLE)
- Standby Power: I

Approvals:
FCC part 15, CE, Met Mark Safety, UL294
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of theFCC Rules. Thse limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energyand, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi,
même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radiation Exposure Statement:
The product complies with the FCC portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this guide. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.