



Thank you for purchasing this Atlas Sound BlueBridge™ wall plate controller also known as BBWP. The Atlas family of BlueBridge™ wall plate controllers allow user access to preset features using buttons or level control adjustments. The family also offers a variety of mounting options that include wall mount, surface/desktop mount or equipment rack mount. Each BBWP model includes a unique method to label the assigned functions giving users general understanding of the controller's function as well as a clean professional look.

This install guide is designed to give installers recommendations on mounting the BBWP models. All models except the BBWP-TOUCH7 feature the same physical footprint and are designed to fit in a 2-gang electrical box. The BBWP-TOUCH7 requires a larger installation area and comes with a custom back can. For installation of the BBWP-TOUCH7, refer to its installation guide.



BBWP-K1



BBWP-K4



BBWP-S4K1

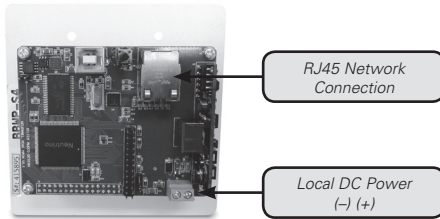


BBWP-S4



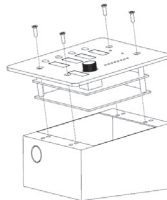
BBWP-S8

All BlueBridge™ hardware devices are based on Ethernet protocol. BlueBridge™ wall plate controllers connect to the network via standard Ethernet CAT5e cable. The BBWP's are powered either by local 5V DC power supply that is included or by PoE (Power over Ethernet) network switch (not included). Refer to Figure 1 for BBWP connections. If using the external power supply it is important to pay attention to the wiring polarity. Next to the external power header the PCB has indicators identifying which terminal is positive and which is negative. For BBWP Operation, Programming and Addressing; refer to the BlueBridge™ Wall Controller Reference Guide available at www.atlassound.com/bluebridge. This installation sheet details the steps for hardware connection and installation into an electrical box and rack panel.



Surface/Desktop Mount

Included with each BBWP is a multi-use back can. This back can is designed to be mounted externally on a wall or desk. The back can has an angled mounting surface that allows the BBWP to be rotated to meet the desired view angle. **Note:** It is always recommended before installing the device to disconnect the power to prevent the power from shorting to the chassis.

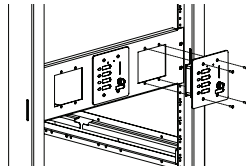


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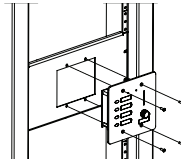


Rack Mount

Many installations require the system controllers to be mounted in an equipment rack. Atlas offers two types of rack mount panels that work with BBWP models. One is designed to fit 19" full width racks and the other is designed for use with half width rack designs. The BB-PLT-PNL is for 19" width racks and can support up to three BBWP units. The Atlas Sound BB-PLT-PNL-HR supports one BBWP unit. Both models are 3RU in height. When rack mounting BBWP units, they can be powered locally using the included external power supply. **Note:** The 5VDC power supply can be daisy chained to more than one BBWP in the rack. A PoE switch can also be used in lieu of the external power supply. Use the 1/2" SAE screws that come in the bag marked SAE.



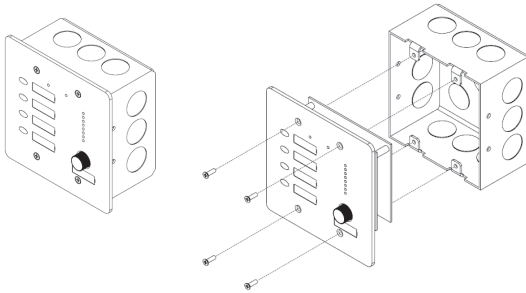
19" Rack Mount Panel
BB-PLT-PNL



Half Rack Mount Panel
BB-PLT-PNL-HR

Wall Mount

BBWP units can be wall mounted in new or existing construction applications. It is very important to read this guide in its entirety before starting your installation. **Note:** Each BBWP model comes installed in a surface mount angled back can; the 4 screws are M8 metric thread. These screws cannot be used in electrical boxes in the USA. Use the 1/2" SAE screws that come in the bag marked SAE.



It is extremely important that the BBWP unit is NOT powered on during the installation or removal process. The circuit board can short out against the metallic box, damaging the hardware, and possibly the PoE switch.

For new construction, a 4" x 4" back box with a minimum depth of 2" and a mud ring with a depth of 1/2" for proper clearance are required.



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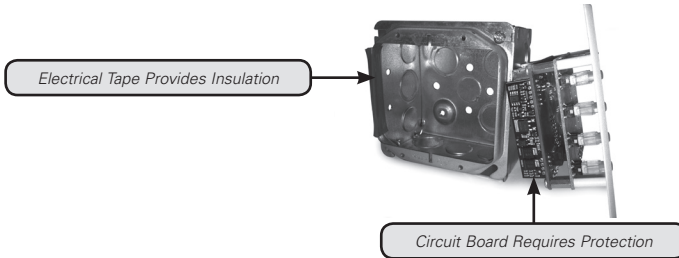
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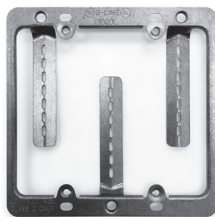
Note: Mud rings may vary slightly depending on the manufacturer and depth of the ring itself. It may be necessary to modify the corners of the mud ring for proper fit. The corners on the right mud ring have a larger radius than the one on the left and will need a bit of filing for the wall controller to fit. (The Appleton 1/2" mud ring will fit without modification)



Under very special situations the wall controller may have to be installed "Live" or in a powered on state. This is NOT recommended, however, it is possible to insulate the left portion of the mud ring with a large piece of electrical tape. This will insulate the circuit board while sliding the wall controller through the opening of the mud ring.



For existing construction applications, we recommend using a cut-in style mounting ring. (The B-Line cut-in ring part # BB20L will fit nicely as it lays thin and flat against the wall) **Note:** If the wall is insulated it is important that the wall insulation is moved away from the wall controller for proper convection cooling.

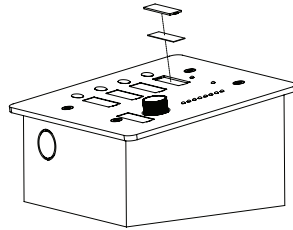


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Labeling BBWP Controls

Each BBWP model includes a unique method to label the assigned functions giving users general understanding of the controller's function as well as a clean professional look. For each function a recessed label area with a clear cover has been incorporated providing a flush look. The clear cover snaps into place after the label has been installed. An Excel template is available on atlassound.com that was designed to allow the integrator to create the needed labels. This template can be found on the Atlas web page under the BlueBridge™ Wall Controllers section. The maximum label size is .95" W (24mm) x .275" H (6.8mm). A standard office-labeling machine such as a P Touch or a Brother with 6mm width tape can also be used.



BBWP Wall Mounting Requirements

New Construction

1. Back can, 2 gang, 2" deep
2. Mud ring, 2 gang 1/2" or 3/4" depending on installation

Note: The internal corners of different mud ring brands can vary and interference with the BBWP PCBs may be an issue. It is important to know some minor corner modifications may be required.

3. 1/2" x .75" Qty 4
4. CAT5e or CAT6 cable with a RJ45 connector
5. PoE switch or 5VDC external power supply (included)

Existing Construction

1. 2 gang cut in ring

Note: The internal corners of different cut-in ring/box brands can vary and interference may be an issue. It is important to know some minor corner modifications may be required.

2. 1/2" x .75" Qty 4
3. CAT5e or CAT6 cable with a RJ45 connector
4. PoE switch or 5VDC external power supply (included)

Surface Mount

1. Back can and screws are included in product carton
2. CAT5e or CAT6 cable with a RJ45 connector
3. PoE switch or 5VDC external power supply (included)

Rack Mount 19" Width Racks (Up to Three BlueBridge Wall Plates Per Panel)

1. Atlas Sound BB-PLT-PNL (19" rack panel)
2. CAT5e or CAT6 cable with a RJ45 connector
3. PoE switch or 5VDC external power supply (included)
4. 1/2" x .75" Qty 4

Rack Mount Half Width Racks (One BlueBridge Wall Plate Per Panel)

1. Atlas Sound BB-PLT-PNL-HR (half rack panel)
2. CAT5e or CAT6 cable with a RJ45 connector
3. PoE switch or 5VDC external power supply (included)
4. 1/2" x .75" Qty 4

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