AmpShell™(Gen.2) OUTDOOR ENCLOSURE

Owner & Install Guide

READ COMPLETELY BEFORE INSTALLING YOUR ENCLOSURE

TERRAPIN
OUTDOOR SOLUTIONS

FEATURES

EQUIPMENT MOUNT PLATE

Custom slotted base plate for securing items at 57 different points, with the included hook and loop pull-tight straps. You can also use your own hook n' loop (up to 1" wide). The plate also includes holes for attaching the included cable organizers.

POWER

A single 110VAC outdoor rated cord powers the included 2 standard 110VAC outlets & 2 USB 5V (2.1a) outlets on the inside. Capable of 1440watts total at 12a max (including the USB).

VENTILATION

One 110V AC cooling fan which is thermostat regulated to turn on at temps above approximately 100 degrees (F). An additional fan can be added, sold separately.

ENCLOSURE MOUNTING

There are 4 included lag screws and rubber washers for attaching the enclosure. Additional mounting options may be available for some models, sold separately.

WIRING

Rubber grommet is preinstalled, additional grommets, wire seals, simply cut the grommet and pass wire through. Additional 'knockouts' are provided for customizing to your specific needs, we recommend drilling or using a rotary tool to remove knockouts.

SECURITY

A recessed locking nut with a special key is included, helping keep the enclosure sealed. Also, a padlock hole is included for additional security if needed.

EARTH BONDING

A Earth connection is provided in the event your specific application or local codes require equipment to be bonded to earth separate from the electrical connection. If using our recommended ethernet surge protector you can use this connector.

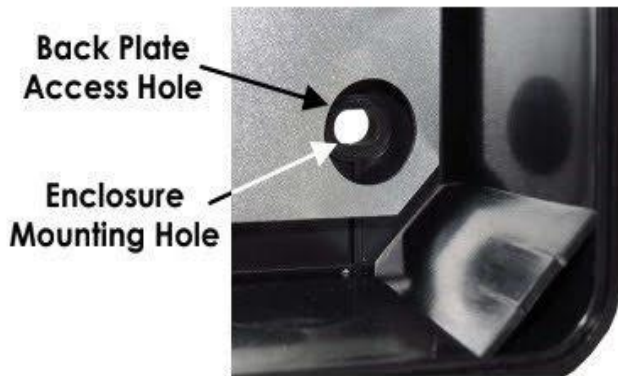# MOUNTING THE ENCLOSURE

Drill Locations

Top of Enclosure

You will need to Pre-Drill the top two lag screw holes before installing.

Rubber/metal washers must be installed on lag screws to prevent water ingress into the enclosure.
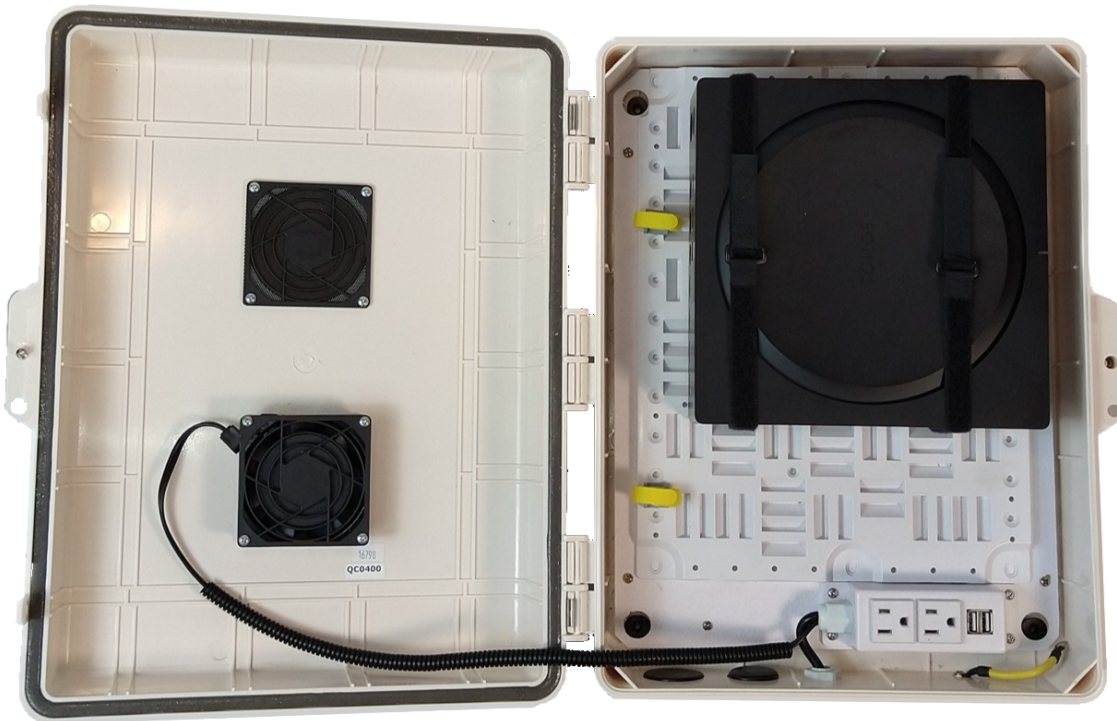
Back Plate Access Hole

Enclosure Mounting Hole

If you are in a very damp environment and concerned about water ingress, use some silicone on/around the lag screw during installation for extra sealing insurance.

SECURING THE EQUIPMENT

AmpShell (Gen2) is shown below with a Sonos Amp secured using two of the included hook n' loop pull-tight strips to the base plate. The amp is mounted sideways, with the rear of the device facing the hinges of the enclosures to help with wire management, airflow, and to maximize the amount of usable space.

With this configuration, as you can see, we have enough room for another small device to mount below the Sonos Amp, such as a streaming media player, network switch, etc.

There is no wrong way to secure your equipment; you just must ensure the device and straps do not interfere with the full closure of the Shell, operation of the fan, or that it inhibits the airflow.

We recommend keeping about 1/2" of open area directly in front of the fan and limiting the load on the backplate to less than 7 lbs.

SPECIFICATIONS

- Dual 3" Vents and 1 Thermostat Controlled Cooling Fan (2nd fan optional)
- 120vac fan turns on at about an internal air temp of 90-100°F (38°C) and turns off when it drops below approximately 70-80°F (26°C)
- Safe storage and operating temps vary by your specific device, refer to your user manual min/max safe ambient operating/storage temperatures.*
- ABS + Poly-carbonate Enclosure
- Gasket Lid with Tamper-Proof Locking Screw
- Dual Door Latches
- Includes 57 slot composite equipment mounting plate and hook n' loop pull-tight straps.
- Back plate can be removed from housing if customization is desired
- Outlet assembly can be removed from the backplate if customization is desired.
- Internal 120VAC 13A Dual Outlet (1440w)
- Internal 5VDC 2.1A USB Dual Outlet
- Pre-wired 8 foot SJ outdoor use power cord as standard
- NEMA Type 3R, 3RX / IP24 Rated housing
- Meets UL94-V0 Flame Rating
- Includes Wall Mount Hardware, mounting template, & Cable Grommets
- Outer Dimensions: 16.5 x 12.5 x 5.3 Inches
- Weight without a user device installed approximately 7 lbs.
- Recommended total weight limit of installed equipment is 7lbs.
- Wireless signal transparency on all sides
- Device is intended to be connected to a GFCI protected outlet to insure total protection against electrical shock.

* We recommend **not operating** your device when the ambient air temp is within 5° of the safe max operating temp of your device, or higher.

Optional Accessories may be available for AmpShell (Gen 2), please refer to that specific items documentation for complete details on installation, safety precautions, limitations, warranty, etc.

CARE & SAFETY INFORMATION

Vents and seals must be kept free and clear of dust, dirt and debris. You must clean vents periodically to maintain airflow. Check fan(s) for proper operation periodically.

Do not use solvents on the enclosure shell or the internal plates, it can etch and damage the finish, and could cause delamination of adhered parts or make the plastics brittle.

Using your device in this enclosure is at your own risk, it is your responsibility to only operate your device while in this enclosure when it is safe to do so. Discontinue use of your device when the ambient air temp is within 5 degrees of the max operating temp of your device, or higher.

This enclosure does not Cool or Heat your device, or protect it from humidity. It simply protects it from harsh weather and provides consistent air flow. High humidity may negatively affect or harm your device.

Keep the enclosure sealed at all times unless actively servicing it.

For safety reasons, this device should be connected to a GFCI outlet.

The fan is 120VAC powered, use caution when servicing inside the enclosure, and keep clear of the fan and its connections.

SUPPORT & WARRANTY

AmpShell (Gen2) includes a 1 year warranty for parts and labor against manufacturer defects. There is no coverage for damage to users devices mounted within for any reason. Damage caused by neglect or improper usage is not covered. Any accessories or optional add-ons for AmpShell are covered by their own warranty.

For general support, warranty claims, parts, or more information about this device visit us online at:

www.terrapinoutdoorsolutions.com