

OVO3T / 5T COMMERCIAL LOUDSPEAKER INSTALLATION GUIDE



Models

OVO3T

OVO5T

Available in black and white

INSTALLATION CONSIDERATIONS

- This guide covers the installation and initial setup of the OVO3T and OVO5T loudspeakers.
- Be sure to read this manual and the Loudspeaker Safety Guide before installing or using product.
- 20-Watts continuous power at 16 Ohm (3T) / 40-Watts continuous power at 16 Ohm (5T).
- The loudspeaker grille is fixed and removing it may cause damage.
- Indoor use only.

Rigging and Electrical Safety



DANGER: Installation of loudspeakers should only be performed by trained and qualified personnel. It is strongly recommended that a licensed and certified professional structural engineer approve the mounting design. Severe injury may occur if these products are improperly installed! All electrical connections must conform to applicable city, county, state, and national (NEC) electrical codes.



DANGER: It is possible to experience severe electrical shock from a power amplifier. Always make sure that all power amplifiers are in the "OFF" position and unplugged from an AC Mains supply before performing electrical work.



IMPORTANT: All electrical installation connections for loudspeaker lines are subject to all applicable governmental building and fire codes. The selection of appropriate electrical hardware to interface with the loudspeaker lies solely with the installation professional. Biamp recommends that an appropriately licensed engineer, electrician, or other qualified professional identify and select the appropriate conduit, fittings, wire, etc. for the installation.



DANGER: The output power capabilities of audio amplifiers present a danger to installers. To minimize the risk of electric shock from loudspeaker connecting cables, confirm that the power amplifiers are turned "off" before connecting loudspeaker cable(s) to the loudspeaker or amplifier. Always follow local electrical codes and proper electrical safety procedures.



WARNING: After wiring the amplifier(s) to the loudspeaker(s), first power-up all devices that are upstream of the amplifier, such as mixers, equalizers, compressor/limiters, etc., before powering-up the amplifier. This is to avoid passing any clicks or pops that may originate in the upstream devices to the loudspeakers. The amplifier should initially be powered-up with its gain controls turned all the way down. After making sure that a continuous signal is present, such as a CD playing, slowly raise the level of the gain controls to establish that the wiring has been installed correctly. Only then should the loudspeaker be operated at normal output levels.

Wiring and Electrical Safety

The designer must account and compensate for cable losses between the amplifier and the loudspeaker system. Refer to this [article](#) on Cornerstone for more information on cable loss calculations. Please contact the Customer Support for additional assistance (email: support@biamp.com)

Wire the loudspeaker. Terminate per your local electrical code or requirements.



support@biamp.com



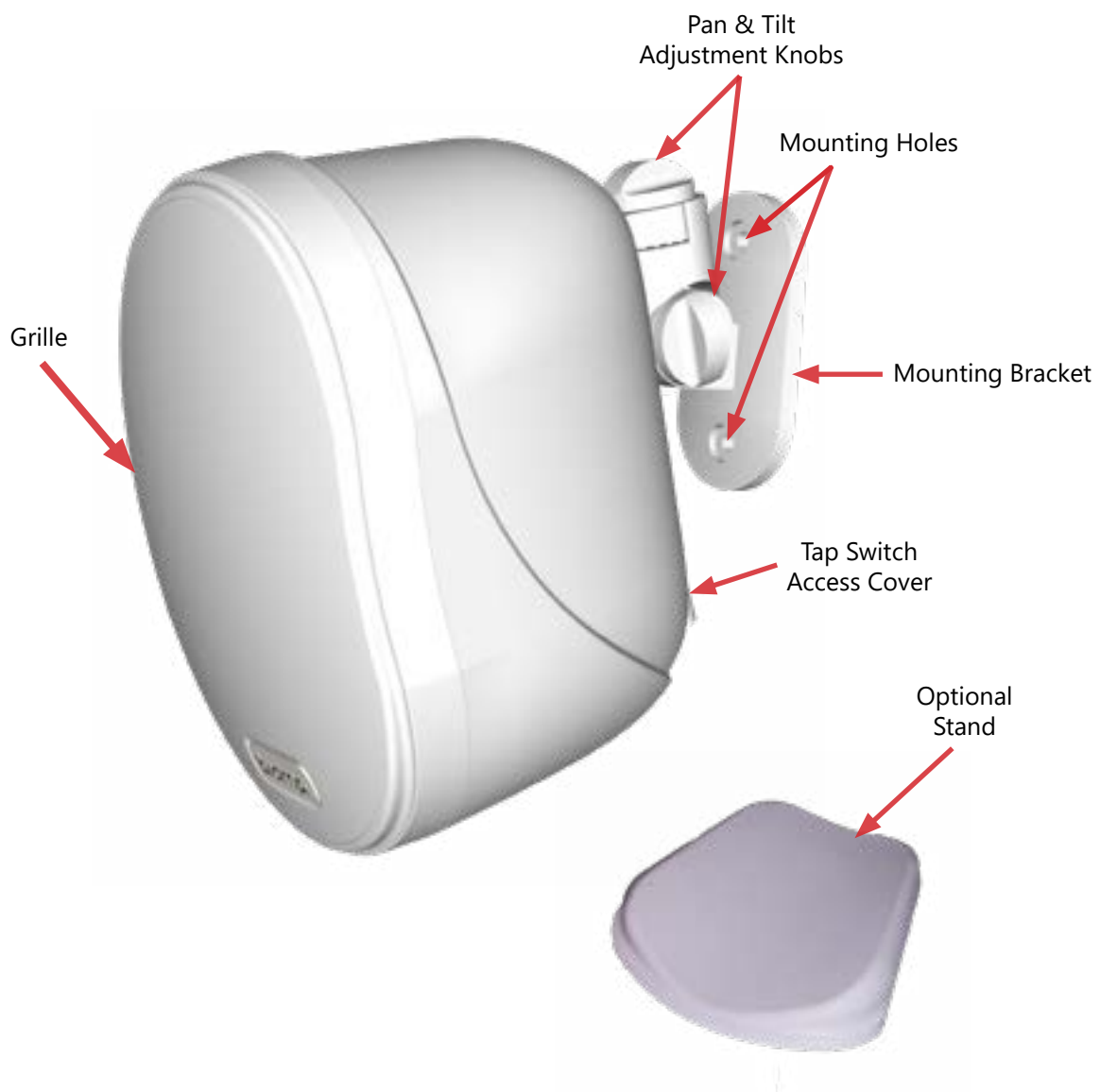
support.biamp.com

INCLUDED IN THE BOX

OVO3T

- Loudspeakers with integrated pan / tilt brackets x 2.
- Color-matched rubber surface stands x 2.

OVO3T PRODUCT DESCRIPTION



INCLUDED IN THE BOX

OVO5T

- Loudspeakers with U-brackets x 2.
- Color-matched wedge mounts x 2.

OVO5T PRODUCT DESCRIPTION



INSTALLATION

OVO3T Stand Mount Option

1. Confirm the loudspeaker installation location (the pan / tilt mount may be removed if required).
2. Place the stand on a flat surface and set the loudspeaker on the stand.



3. Connect wires and adjust tap settings (see details [here](#)).

INSTALLATION CONTINUED

OVO3T Wall Mount Option

The OVO3T features an integrated pan / tilt bracket (hardware for mounting must be purchased separately). Adjust the tap setting before installation to save time.

1. Confirm the loudspeaker installation location.
2. Unscrew and remove the swivel knob at the top of the speaker to detach the bracket.
3. Connect wires and adjust tap settings (see details [here](#))



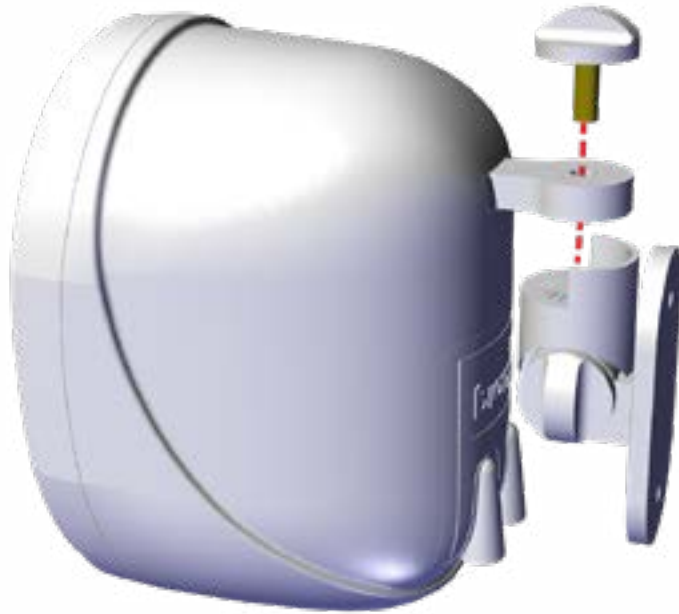
4. Use the bracket to mark the hole locations.
5. Attach the bracket to the structure.



INSTALLATION CONTINUED

OVO3T Wall Mount Option

6. Reattach the bracket.

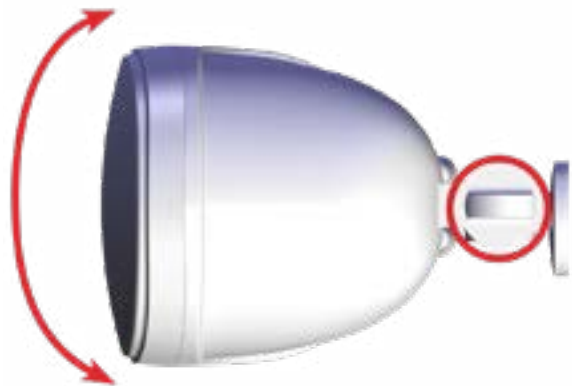


7. Adjust the tilt / pan for desired coverage.

- 45° Vertical Tilt in 15° increments
(tilts downward only)



+/- 45° Horizontal Pan
in 22.5° increments.



8. Connect wires and adjust tap settings (see details [here](#)).

INSTALLATION CONTINUED

OVO3T Ceiling Mount Option

1. Confirm the loudspeaker installation location.
2. Unscrew and remove the swivel knob at the top of the speaker to detach the bracket.



3. Use bracket to mark the hole locations.
4. Attach the bracket to the structure.



 **DANGER:** The bracket base **MUST** be attached to a structural component above the ceiling.

NEVER mount the loudspeaker directly to ceiling surfaces or drywall only.

INSTALLATION CONTINUED

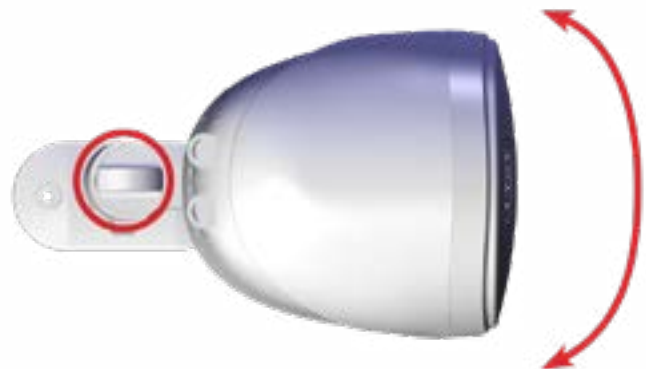
OVO3T Ceiling Mount Option



5. Reattach the bracket.
6. Adjust the tilt / pan for desired coverage.

Maximum Tilt is -90° in 22.5° increments (tilts downward only).

$\pm 45^{\circ}$ Horizontal Pan in 22.5° increments.



7. Connect wires and adjust tap settings (see details [here](#)).

INSTALLATION

OVO5T Surface Mount Option

Each OVO5T comes with an attached U-bracket for easy surface installation (installer must provide the appropriate hardware for the application. Adjust the tap setting before installation to save time.

1. Confirm the loudspeaker installation location.
2. Attach the loudspeaker to the structure or surface using the holes in the U-bracket (hardware not provided).

NOTE: The U-bracket can be removed and pre-installed. Reserve the hardware for reattachment of the horn.

3. Adjust to desired angle and tighten the adjustment knobs.
4. The loudspeaker can also stand on a tabletop or shelf – keep the yoke tight and directly behind the loudspeaker.
5. Connect wires and adjust tap settings (see details [here](#)).



INSTALLATION CONTINUED

OVO5T Surface Mount Option

1. Adjust pan / tilt by loosening the knobs on both ends.

+/- 90° horizontal pan in
22.5° increments.



-15° Vertical Tilt (tilts
downward only)



2. Position and tighten the adjustment knobs.

INSTALLATION CONTINUED

OVO5T Wedge Mount Option

Attach the U-bracket to the wedge mount for an additional 5" down-tilt.

1. Confirm the loudspeaker installation location.
2. Use wedge to mark the hole locations.



3. Align the wedge with U-bracket and attach to mounting surface (hardware not provided).

NOTE: The U-bracket can be removed and pre-installed. Reserve the hardware for reattachment of the loudspeaker.



INSTALLATION CONTINUED

OVO5T Wedge Mount Option

4. Adjust to desired angle and tighten the knobs.



5. Connect wires and adjust tap settings (see details [here](#)).

INSTALLATION WIRING

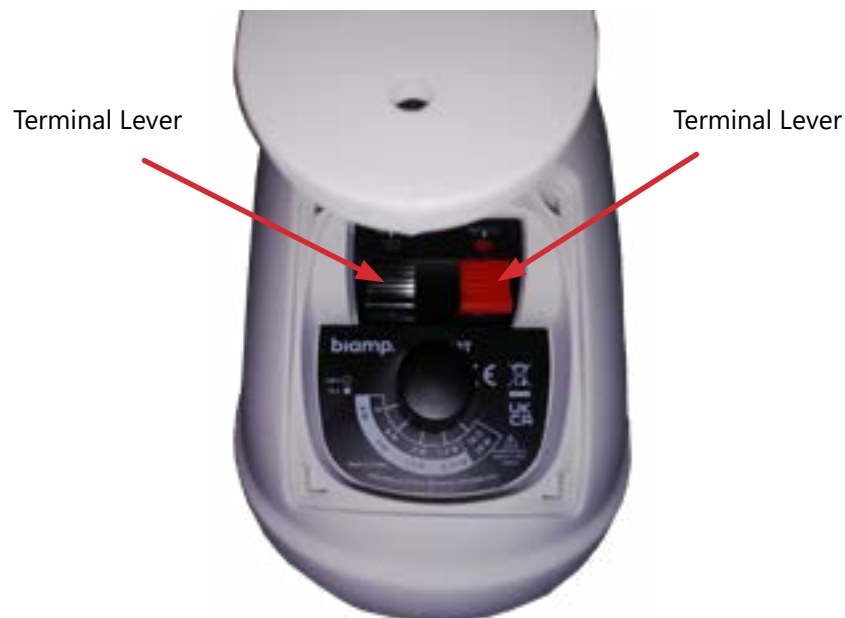
OVO3T Wiring

1. Peel back the tap switch access cover to view the terminals and tap setting knob.

NOTE: Pan or tilt the loudspeaker for easier access to the input panel.



2. Lift the terminal levers and insert the wires into the correct terminal observing polarity.



3. Press each lever down to secure wires.

INSTALLATION WIRING CONTINUED

OVO3T

4. Rotate the knob to select the appropriate tap setting.



5. Reinstall the cover and route the wires through the routing channels at the bottom of the cover. Press all 4 corners down (and around the edge) to secure the cover.

OVO5T WIRING

1. Pull up on the raised wire routing area and peel back the tap switch access cover to view the terminals and tap setting knob.

NOTE: Move the U-bracket to the side for easier access to the input panel.



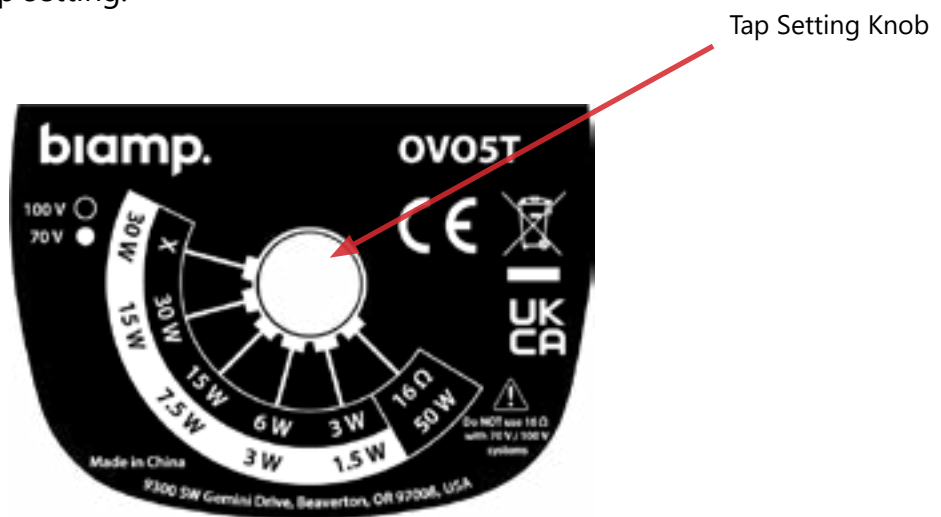
INSTALLATION WIRING CONTINUED

OVO5T

2. Lift the terminal levers to insert the wires into the correct terminal observing polarity.
3. Press lever down to secure wires.



4. Rotate knob to set the tap setting.



5. Reinstall the cover and route the wires through the routing channels at the bottom of the cover. Press all 4 corners down (and around the edge) to secure the cover.

PAINTING INSTRUCTIONS

The OVO cabinets have a light paint coat over the plastic material. They accept almost any type of latex or enamel (oil based) paint. We recommend application of two light coats.

IMPORTANT: Do not remove the grille.

Process

1. Remove brackets or mounts from the loudspeaker to paint separately.
2. Use painter's or other low-adhesive tape to mask off the grille and area under the input cover. NEVER use duct tape as it leaves an adhesive residue that can be difficult to remove and that may actually cause damage. Painter's or other low-adhesive tape is best.
3. Clean the loudspeaker cabinet with a lightly dampened cloth. Do not use abrasives such as sandpaper or steel wool.
4. Apply two or more thin coats of latex or oil-based paint. Latex paint adheres better if an oil-based primer is used first. Spray paint is best, but a brush may be used with light coats.
5. Allow paint to fully dry and remove all of the masking materials and reassemble.



CAUTION: NEVER use abrasives, gasoline, kerosene, acetone, methyl ethyl ketone (MEK), paint thinner, harsh detergents or other chemicals on the loudspeaker. These chemicals and agents may permanently damage the finish. Some are also toxic and highly flammable.

IMPORTANT: Take care not to bend or damage the grille on removal or re-installation.

IMPORTANT: Blocking the grille holes with paint or getting any paint on the drivers or internal parts will affect loudspeaker performance and void the warranty.

IMPORTANT: For applications where certification is required, ensure that relevant information on the rear label is not painted over.

You will need:

- Removable masking tape or painter's tape
- Machinist scribe tool or knife
- 1.5 mm hex wrench

Useful Tip:

- Use a sharp knife to trim the masking material close to the edges of the masked areas.

CONTACT US

Email: support@biamp.com

Web: support.biamp.com

Warranty: biamp.com/legal/warranty-information

Safety & Compliance: biamp.com/compliance

