

Extreme Tower 8 inch Tower Speakers

Built-in Amplifier



Installation Guide

Extreme Tower TA8

Models: SEI-ETAMP7700...20

- 1** Bluetooth Amplified Tower Speaker
- 1** Passive Tower Speaker

Extreme Tower TB8

Models: SEI-ETBAT7700...20

- 1** Bluetooth Amplified Tower Speaker
- 1** Passive Tower Speaker
- 1** Battery

Important

- Please read the Hardware Guide, this Installation Guide, and the User Guide before installation and use.
- This Installation Guide is for the TA8 (SEI-ETAMP7700...20) and TB8 (SEI-ETBAT7700...20) Extreme Tower Speakers. The TA8 Speakers do **NOT** include a removable, rechargeable battery. You can purchase the battery separately.
- Only connect a 12V Power Supply to the Amplified Speaker power input. To prevent damage to the speakers, fire, and/or possible injury, do **NOT** connect the **BLACK** Power Cable to the battery's negative (-) terminal until all the installations are completed.
- **CAUTION: Do NOT connect to a 24V, 48V or 72V power supply!** The voltage for the power input is +12VDC. You need to connect to a 12VDC power supply. If your vehicle battery power is not 12V (e.g., 24V, 36V, or 48V), you will need a DC-DC voltage converter with 12V output (e.g. a 48V-to-12V converter). Connecting the Extreme Tower directly to higher voltages will cause damage to the speaker and cause the rechargeable battery to overcharge and overheat! In extreme cases, excess voltage can cause the battery to expand, leak, or potentially catch on **FIRE!** Any damage to the battery due to improper connections to higher voltages will **VOID THE PRODUCT WARRANTY.**
- The Amplified Speaker has a Remote Turn-On Input feature; this is to ensure that the speaker is completely powered off (no battery consumption) when your vehicle is not in use. When the Remote Turn-On Input has a 12V signal, the speaker will turn on or go into standby, depending on the Power Mode Switch settings. When there is no input voltage, the speaker will turn off. In general, this Remote Turn-On signal comes from the vehicle ignition switch – make sure that the signal voltage on the ignition switch is 12V. If your vehicle ignition switch signal is not 12V or if you are not able to get a connection to the ignition switch, you can connect the Remote Turn-On Wire on the Amplified Speaker to a rocker switch. Then connect the rocker switch to a 12V power supply or the 12V output on your voltage convertor. Additionally, some vehicles have a built-in 12V switch panel, which will also work for the Remote Turn-On Wire.

- When mounting the speaker, it is extremely important to make sure that the mount is secure and will not cause any potential issues. Please check that the speaker does **NOT** block the driver's view or prevents the safe operation of your boat or other vehicle. Ensure that all screws are tightened and the speaker is secured correctly so that the speaker will **NOT** fall.
- It is highly recommended to periodically check that the mount is secured. If loose, please retighten the Locking Screw Latch.

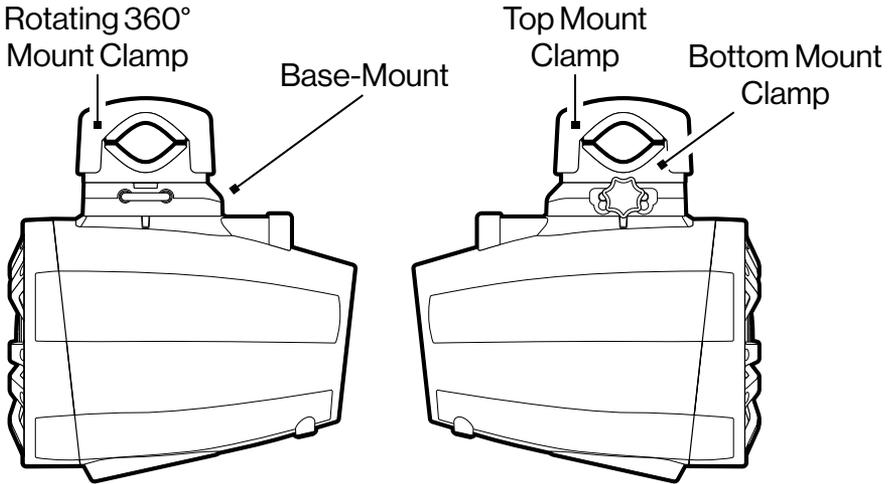
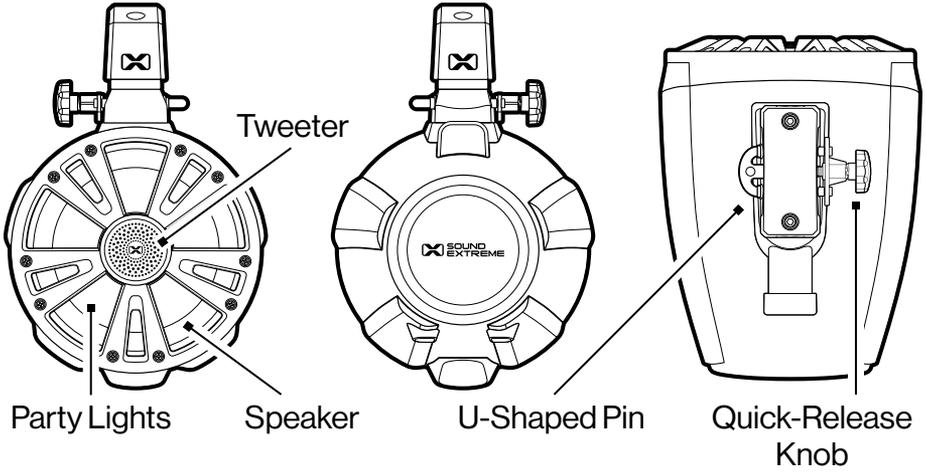
RECOMMENDATION: Do **NOT** install on your own. This installation is a two-person job, to be done safely. Please be careful to ensure no personal injury or damage to your vehicle.

- An Aviation Connector Jack Cap comes attached to the Base-Mount on each speaker. If you choose to use the Deutsch Cable Set for wiring, you **MUST** screw the cap into the unused Aviation Connector Jack on each speaker, tightening it clockwise with a long nose plier (not included) or similar tool. Failing to do this may result in potential water or moisture penetration into the jack connector pins, cause damage to the speaker, and **VOID THE PRODUCT WARRANTY**.
- When you connect the 9-pin or 6-pin Aviation Connector to the Aviation Connector Jack in the Base-Mount, you **MUST** ensure the connector is tightened (clockwise) so that the connection is waterproof.
- When using the Extension Cable and/or connecting two wires (e.g., using supplied BUTT Connectors), make sure to seal the connection either by using electrical tape or heat shrink tubing. Failing to do this may result in long-term corrosion on the connection and cause a premature malfunction.

CAUTION: After taking the product out of the polyethylene bag, be sure to dispose of the polyethylene bag out of the reach of children. Children may play with the bag, which could result in the child's suffocation.

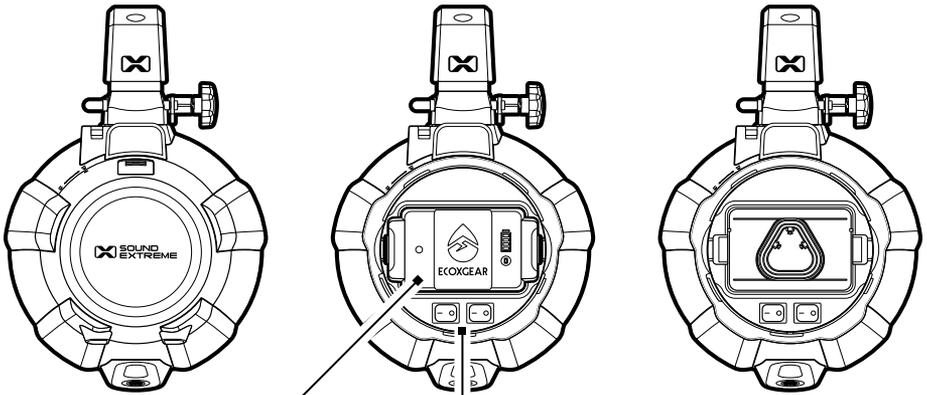
Extreme Tower Overview

Extreme Tower Passive Speaker Layout



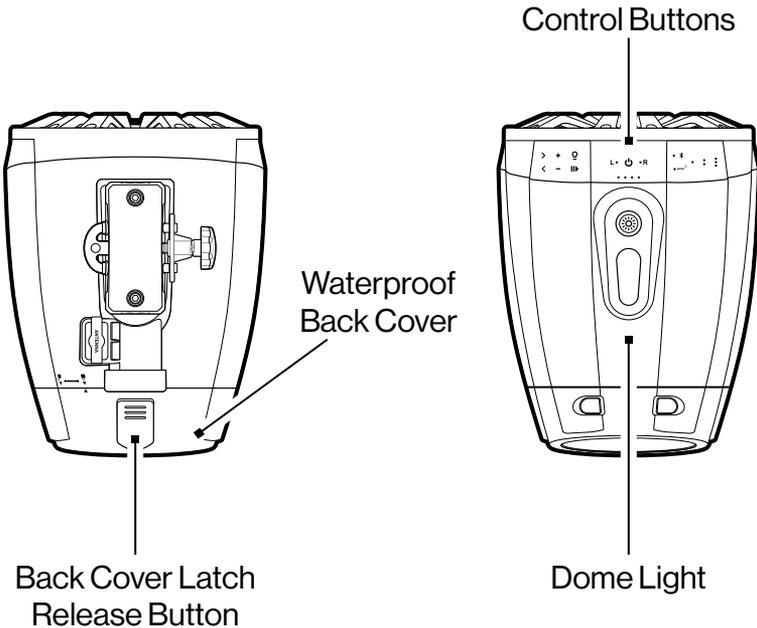
ExtremeTower Overview

ExtremeTower Amplified Speaker Layout



Battery Pack

Switches



Control Buttons

Waterproof
Back Cover

Back Cover Latch
Release Button

Dome Light

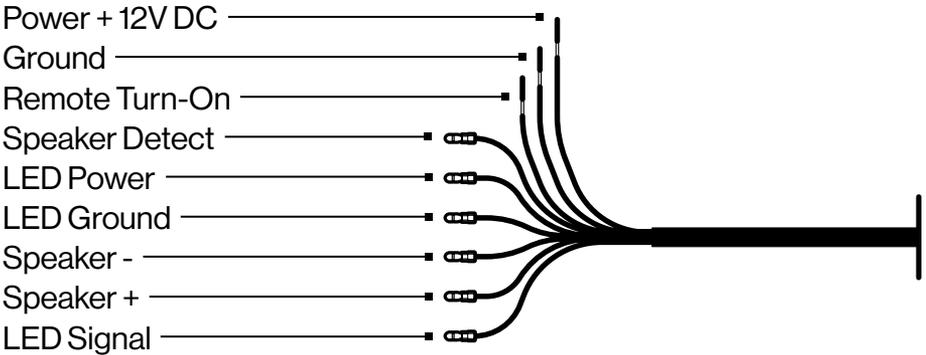
Extreme Tower Overview

Audio, LED Control Signals, and Power Connectors and Cables

Amplified Tower Speaker and Passive Tower Speaker

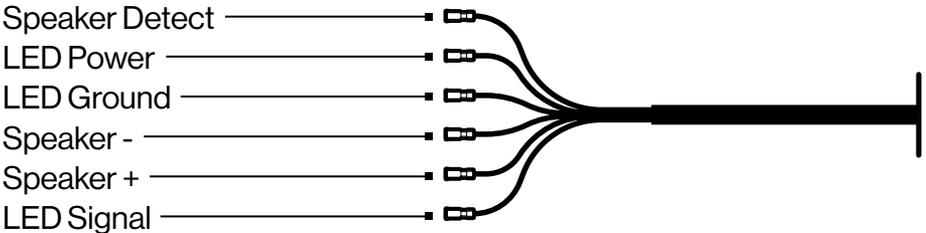
- Your package has one Amplified Tower Speaker and one Passive Tower Speaker.
- The Passive Tower Speaker must be connected to the Amplified Tower Speaker to receive audio and LED control signals.

Power, Audio, and LED Lighting Connections



The Amplified Extreme Tower Speaker has 9 input and output wires.

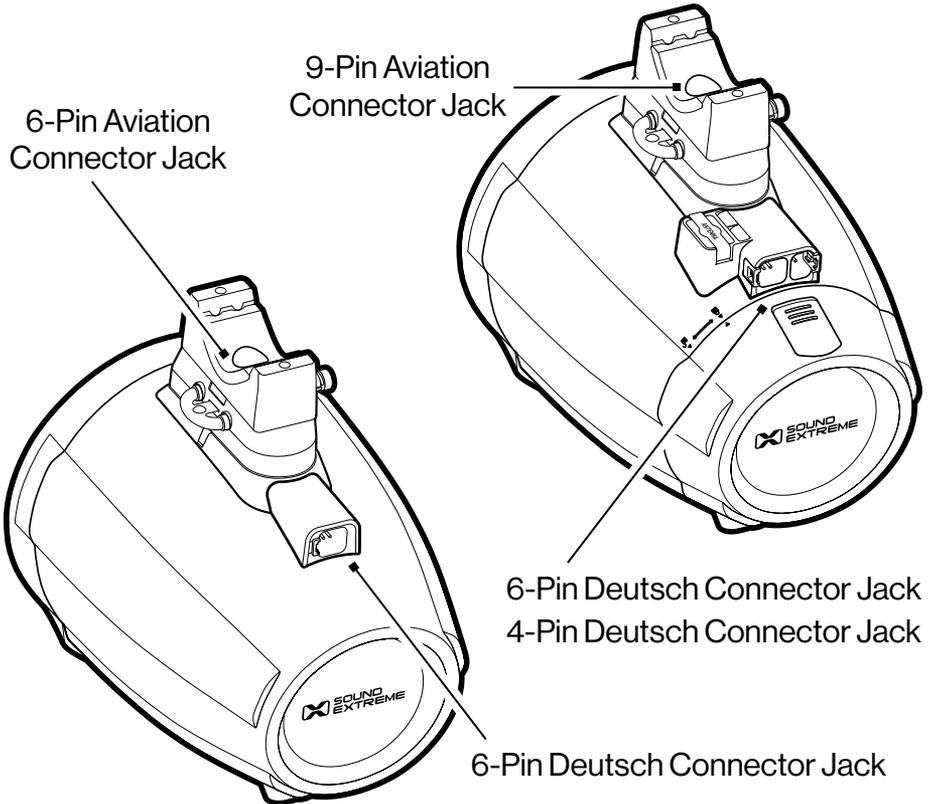
- 3 Input Wires: 12V (+), GND (-), and Remote Turn-On to connect to your vehicle.
- 6 Wires: To connect both speakers together.



The Passive Extreme Tower Speaker only has 6 input wires.

Speaker Connector Jacks

Each speaker has 2 types of Connector Jacks.



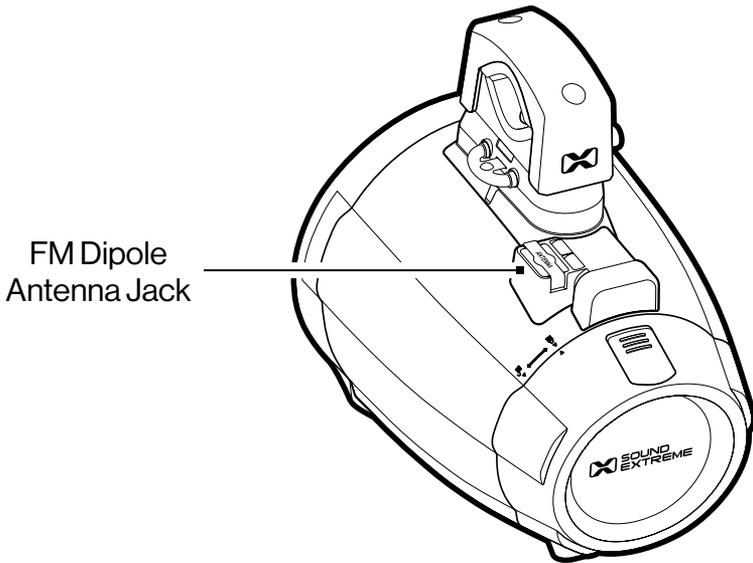
1. A round **Aviation Connector Jack** is inside the speaker Base-Mount, which allows the cable to pass through the Bottom Mount Clamp and go into a hole in the crossbar at the location where the speaker is mounted. The Amplified Tower Speaker has a 9-pin, round connector jack, and the Passive Tower Speaker has a 6-pin, round connector jack.
2. A square **Deutsch Connector Jack** is behind the speaker Base-Mount underneath a rubber cap. This is for an installation where the wire is installed outside of the tower / roll cage.

Extreme Tower Overview

This is also the connection suggested if you want to utilize the Quick-Release-Mount option.

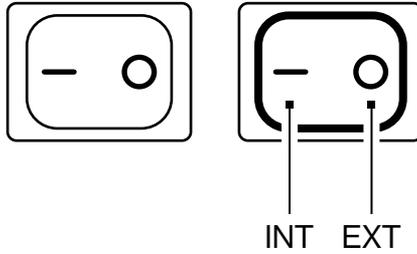
The Amplified Tower Speaker has both a 4-pin and a 6-pin, square connector jack. The Passive Tower Speaker only has a 6-pin square connector jack.

FM Dipole Antenna Jack



The Amplified Speaker has a built-in FM Antenna. It also includes an FM Dipole Antenna Jack for an optional external antenna connection and improved reception (dipole antenna sold separately). If you prefer to use an external FM antenna, follow these steps:

1. Slowly pull out the rubber cap. Keep the rubber cap attached to the speaker housing if you plan to remove the antenna periodically; otherwise, you can remove the antenna cap.
2. Plug your dipole antenna into the FM Dipole Antenna Jack.

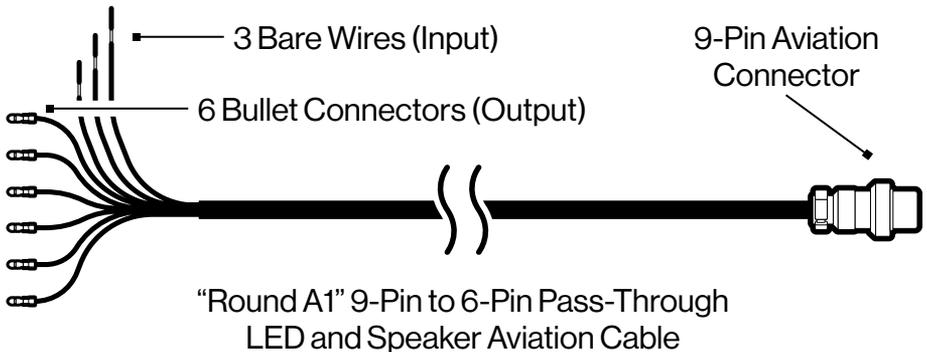


3. Open the Back Cover (refer to **Install the Rechargeable Battery Pack to the Amplified Speaker** for details), move the (Blue) FM ANT Switch to the EXT position.

Cables

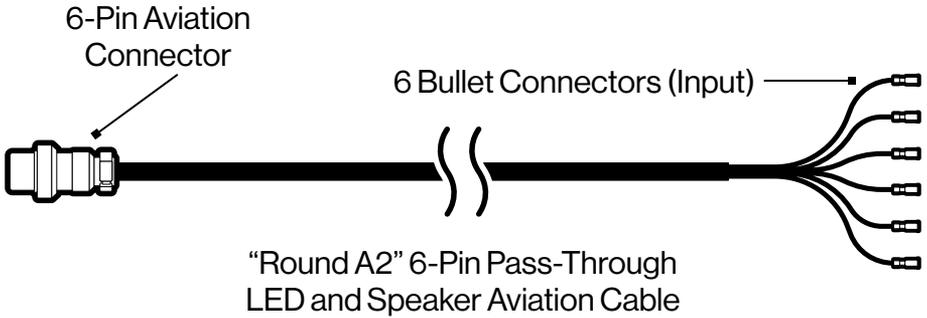
Your package includes 2 Cable Sets for each wiring option.

1. Aviation Cable Set — For easy running and fishing wires through a crossbar. The Aviation Cable connection between the Amplified Tower Speaker and the Passive Tower Speaker uses the following two cables:



- The long cable ("Round A1" 9-pin to 6-pin pass-through Aviation Cable) has a 9-pin round connector on one end and 3 bare wires for power inputs and 6 Bullet connectors on the other end for interconnection with the Passive Tower Speaker.

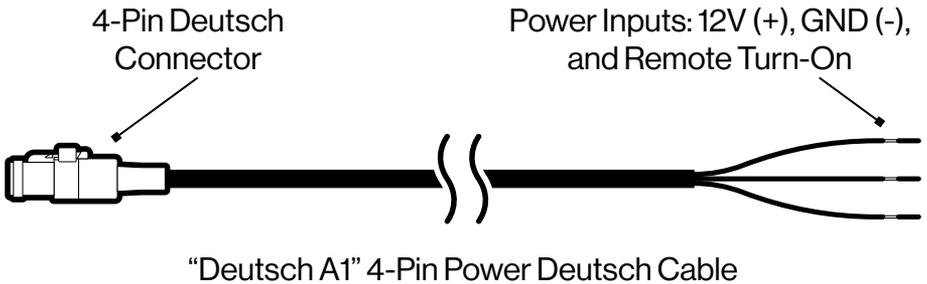
Extreme Tower Overview



- The short cable (“Round A2” 6-pin pass-through Aviation Cable) has a 6-pin round connector on one end and 6 bullet connectors on the other end.

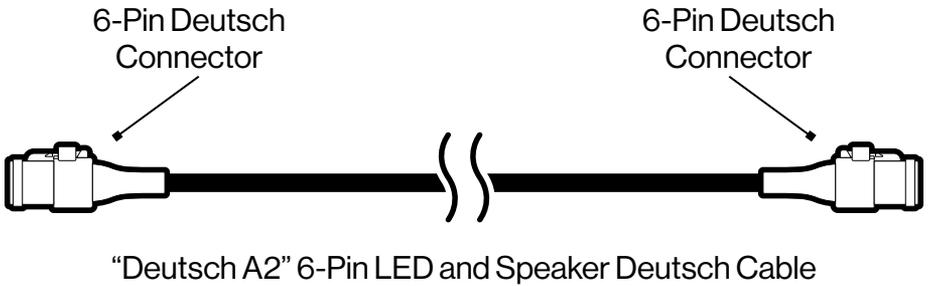
Note: Besides the Power +12V, GND, and Remote Turn-On connections to your vehicle’s battery and ignition switch, you will need to connect the 6 bullet connectors from both the long and short cables and seal the connections to prevent water or moisture penetration.

2. Deutsch Cable Set — Suggested wiring method if you want to utilize the Quick-Release-Mount option. The Deutsch Cable connection between the Amplified Tower Speaker and the Passive Tower Speaker uses the following two cables:



- 4-pin Deutsch connector for 12V (+), GND (-), and Remote Turn-On input for the Amplified Tower Speaker.

ExtremeTower Overview



- 6-pin Deutsch connector for interconnection between the Amplified Tower Speaker and the Passive Tower Speaker.

Installation and Wiring

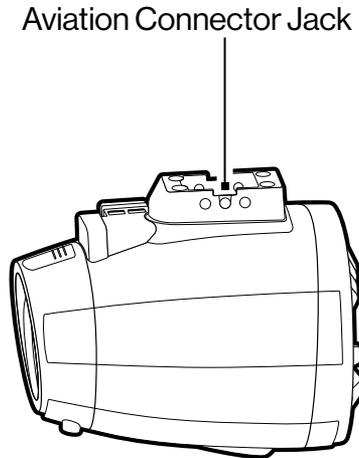
Installation and Wiring Procedure 1: Round Aviation Cable

If you choose to use the Aviation Cable Set for wiring your ExtremeTower Speakers, follow the steps below.

Speaker and LED Lighting Control Wiring

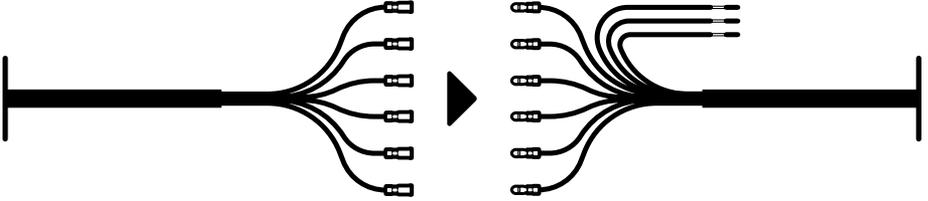
The Aviation Cable will pass through the Bottom Mount Clamp and go into a hole in the crossbar; therefore, it is necessary to run the speaker wires and connections before the speakers are mounted onto the crossbar.

1. Find or drill a hole in the crossbar at the spots where the Amplified Tower Speaker and Passive Tower Speakers will be mounted.

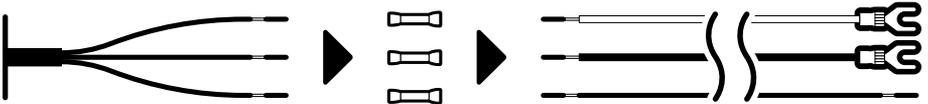


2. Fish the "Round A1" (9-pin to 6-pin pass-through) Aviation Cable into the hole in the crossbar where the Amplified Speaker will be mounted and fish the wires through the crossbar to the hole where the Passive Tower Speaker will be mounted.

3. Pull out the 9 wires from the hole, make the following wire connections and use heat-shrink tubing or electrical tape to seal the connections:



- Connect the 6 bullet connectors on “Round A1” to those on the “Round A2” (6-pin pass-through) Aviation Cable. Simply match the colors of the cables to each end.

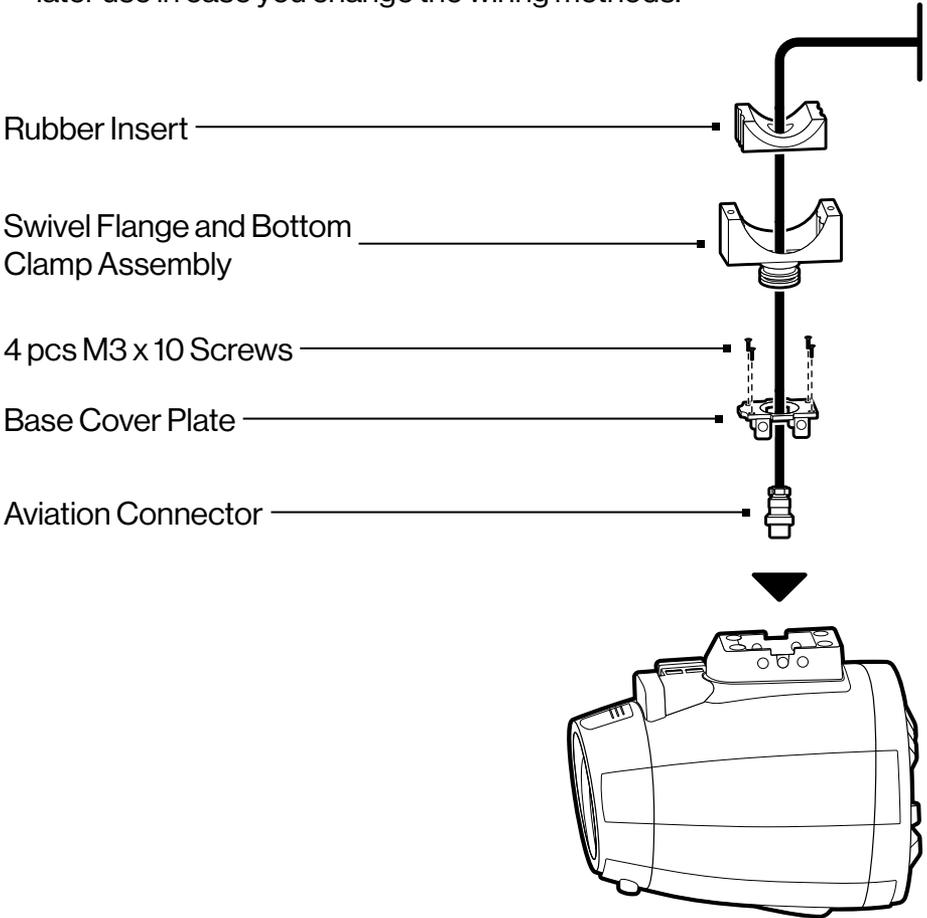


- Connect 3 wires (+12V, GND and Remote Turn-On) with the supplied Power Extension Cable (+12V and GND) and the supplied Remote Turn-On Extension Cable with the supplied BUTT connectors. Use heat-shrink tubing or electrical tape to seal the connections.
4. Fish the 3 wires (+12V, GND and Remote Turn-On) back into the hole and slide them through the crossbar to the vehicle’s battery and ignition signal terminal. But do **NOT** connect the cables to your vehicle’s 12V battery and ignition signal terminal yet.

Installation and Wiring

Mount the Amplified Tower Speaker to the Crossbar

1. Base-Mount: Remove the tape and pull out a small plastic bag from the Base-Mount. This bag has one Aviation Connector Jack Cap. You don't need this cap for this installation, but save the cap for later use in case you change the wiring methods.



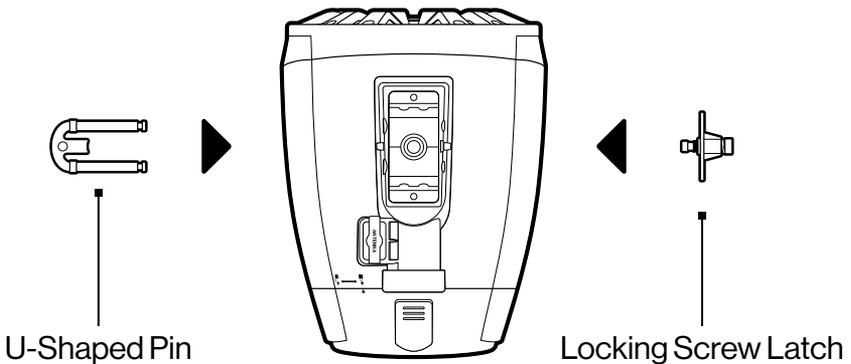
2. Put the appropriate Lower Rubber Insert onto the Swivel Flange and Bottom Clamp Assembly.
3. Fish the “Round A1” (9-pin to 6-pin pass-through) Aviation Cable through the inner hole of the Swivel Flange and Bottom Clamp Assembly, and the Base Cover Plate.

Installation and Wiring

4. Connect the (9-pin round) Aviation Connector to the Aviation Connector Jack on the Amplified Speaker. Tighten the connector clockwise with a long nose plier (not included) or similar tool.

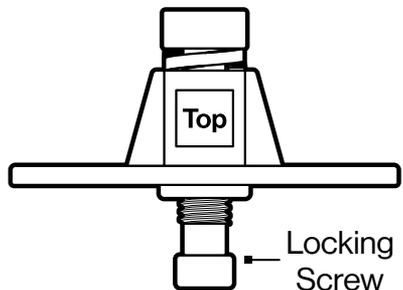
IMPORTANT: Tighten the connector to ensure the connection is waterproof to avoid potential water or moisture penetration into the jack connector pins, causing damage to the speaker.

5. Put the Base Cover Plate on the speaker Mount-Base and secure with 4 pcs of M3 x 10 Screws.
6. Insert the Swivel Flange and Bottom Clamp Assembly into the speaker Mount-Base.



7. Insert the U-Shaped Pin into the two holes on the side of the Base-Mount. Insert the pins into the holes on the left side of the Mount when viewing from the rear of the speaker.

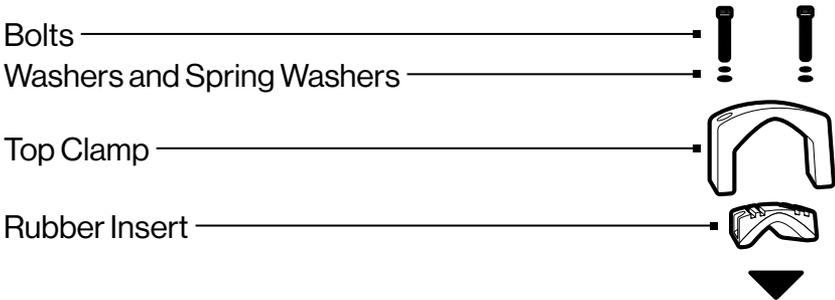
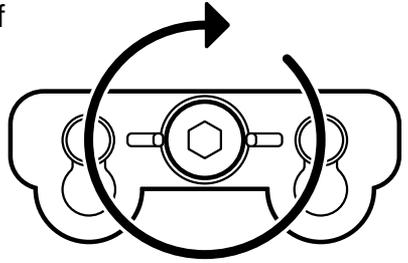
8. Attach the Locking Screw Latch onto the U-Shaped Pin ends (make sure **Top** on the Locking Screw Latch is on top), then move it downward to align the lock catch end with the middle hole of the Base-Mount, and screw in the Locking Screw with the supplied



Installation and Wiring

M5 Allen wrench (or with your hand if utilizing the Quick-Release Knob).

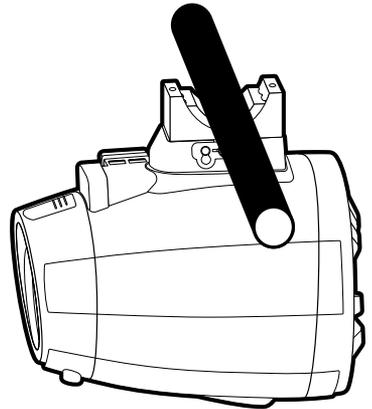
Note: It is **NOT** recommended to use the Quick-Release Knob with this wiring method. Do **NOT** tighten the screw yet.



9. Put the Upper Rubber Insert on the Top Clamp. Align the rubber groove with the bulge of the Top Clamp and press down to assemble the Clamp and Rubber Insert.

10. Place the Amplified Tower Speaker under the crossbar. Lower the Top Clamp over the crossbar and on the Bottom Clamp. Tighten the two Bolts so that the speaker is securely mounted on the crossbar.

11. Turn the speaker to your desired angle, tighten the Locking Screw with the supplied M5 Allen wrench (or with your hand if utilizing the Quick-Release Knob).



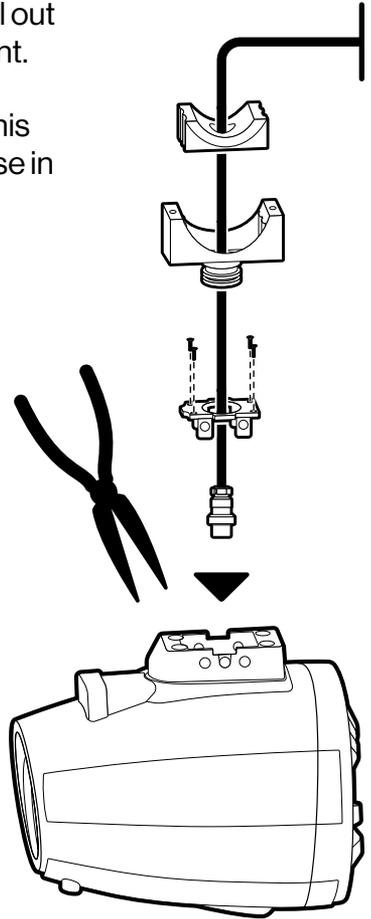
Mount the Passive Tower Speaker to the Crossbar

1. Base-Mount: Remove the tape and pull out a small plastic bag from the Base-Mount. This bag has one Aviation Connector Jack Cap. You don't need this cap for this installation, but save the cap for later use in case you change the wiring methods.
2. Connect the (6-pin round) Aviation Connector to the Connector Jack on the Passive Tower Speaker. Tighten the connector clockwise with a long nose plier (not included) or similar tool.

IMPORTANT: Tighten the connector to ensure the connection is waterproof to avoid potential water or moisture penetration into the jack connector pins, causing damage to the speaker.

3. Repeat Steps 5 through 11 (from **Mount the Amplified Tower Speaker to the Crossbar**) to mount the Passive Tower Speaker to the Crossbar.

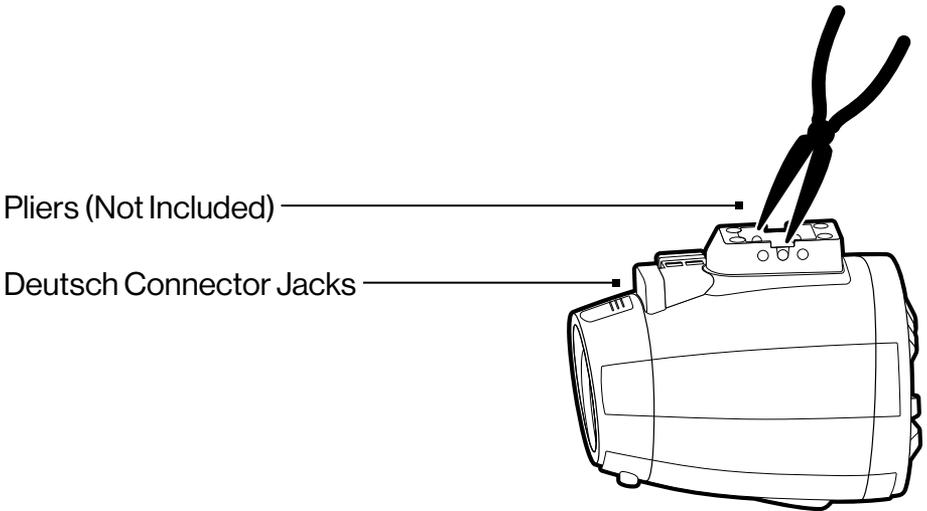
4. Once you complete the installations, proceed to **Connecting Your Speaker to a +12V Power Supply and Powering On**.



Installation and Wiring

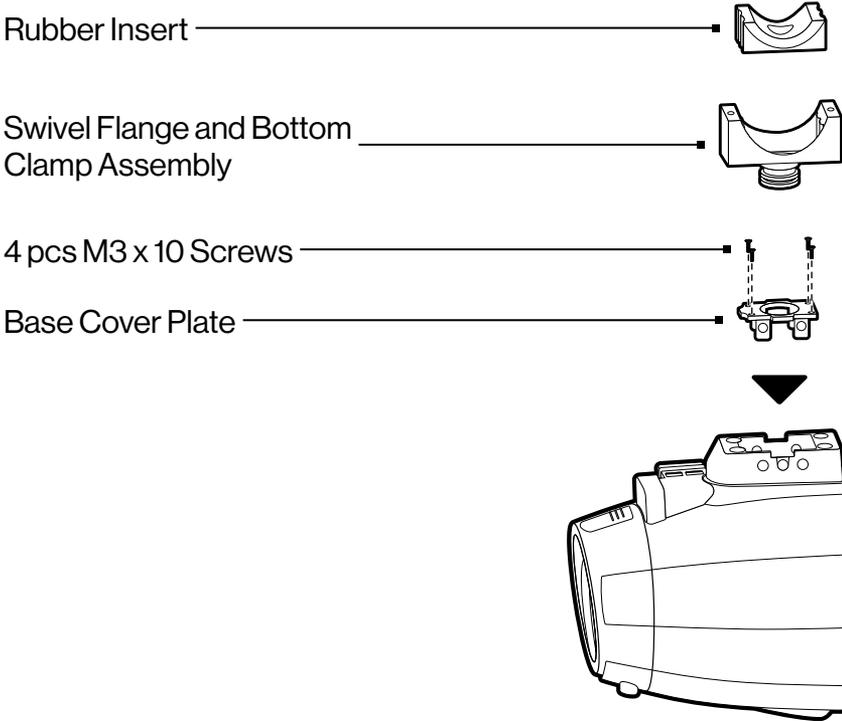
Installation and Wiring Procedure 2: Square Deutsch Cable

This cable installation method does **NOT** require that the cables go through the mount. This method allows for the speakers to be mounted to the crossbar before running the wires and before completing the cable connections.



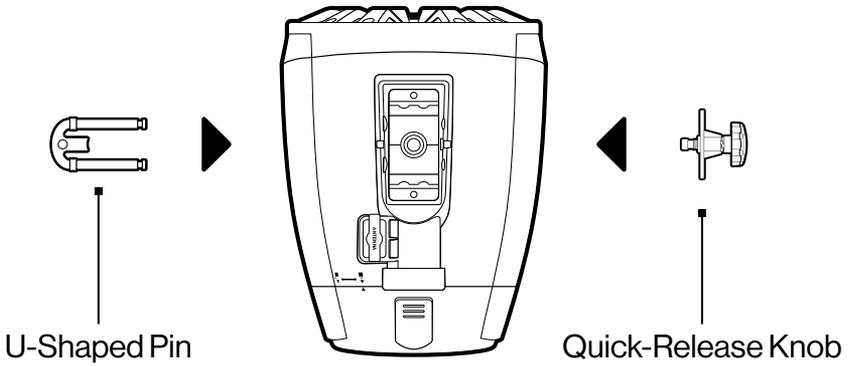
IMPORTANT: Before installation, it is important that you install the Aviation Connector Caps on the Aviation Connector Jacks in the Base-Mounts of both the Amplified Tower Speaker and the Passive Tower Speaker. In the Base-Mount, remove the tape and pull out the Aviation Connector Cap from a small plastic bag. Screw the cap into the Connector Jack on the speaker, tighten it clockwise with a long nose plier (not included) or similar tool. Failing to do this will result in potential water or moisture penetration into the jack connector pins causing damage to the speaker.

Mount the Amplified Tower Speaker to the Crossbar



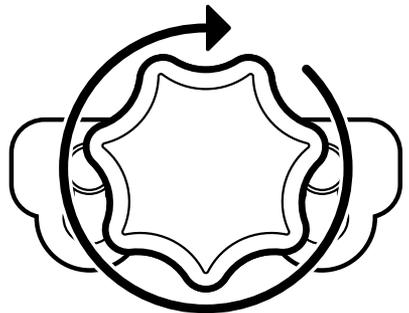
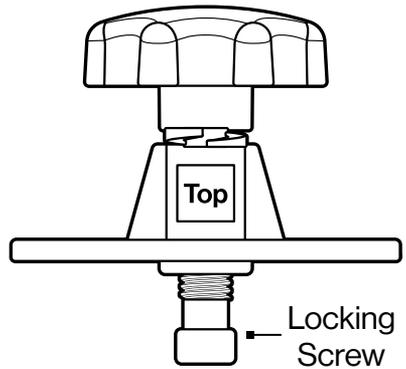
1. Put the appropriate Lower Rubber Insert onto the Swivel Flange and Bottom Clamp Assembly.
2. Put the Base Cover Plate on the speaker Mount-Base and secure with 4 pcs of M3 x 10 Screws.
3. Insert the Swivel Flange and Bottom Clamp Assembly into the speaker Mount-Base.

Installation and Wiring

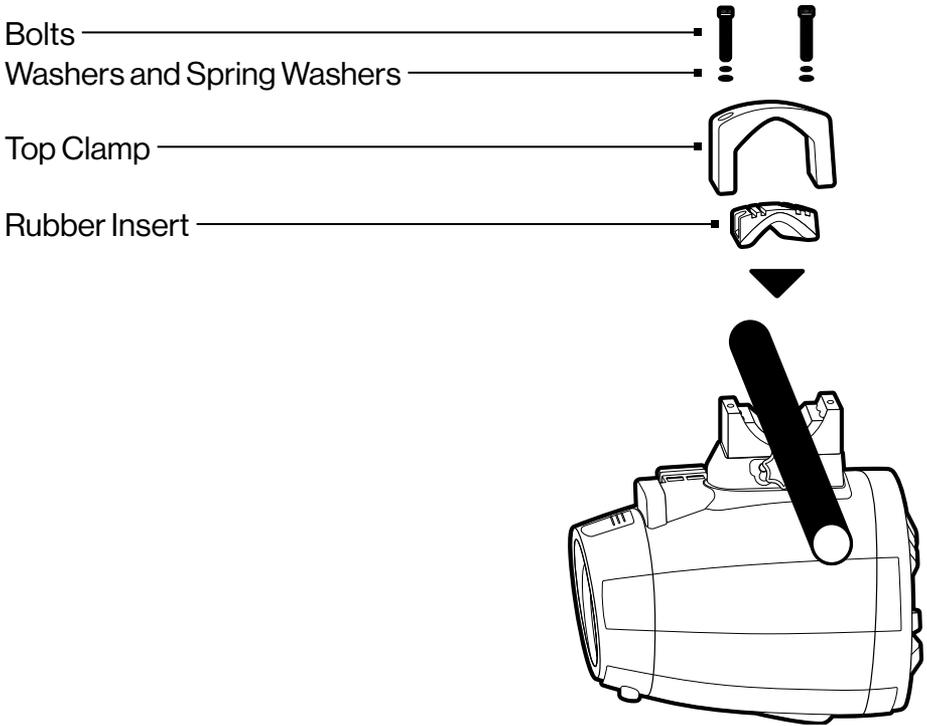


4. Insert the U-Shaped Pin into the two holes on the side of the Base-Mount. Insert the pins into the holes on the left side of the Mount when viewing from the rear of the speaker.

5. Attach the Quick-Release Knob (or the Locking Screw Latch) onto the U-Shaped Pin ends (make sure **Top** on the Quick-Release Knob is on top), then move it downward to align the lock catch end with the middle hole of the Base-Mount, and screw in the Locking Screw by turning the Quick-Release Knob (or with the supplied M5 Allen wrench if utilizing the Locking Screw Latch). Do **NOT** tighten the screw yet.



Installation and Wiring

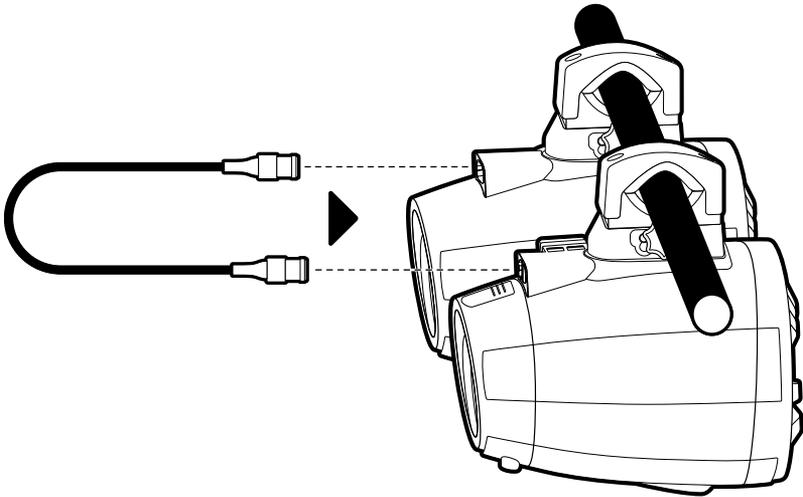


6. Put the Upper Rubber Insert on the Top Clamp. Align the rubber groove with the bulge of the Top Clamp and press down to assemble the Clamp and Rubber Insert.
7. Place the Tower Speaker under the crossbar. Lower the Top Clamp over the crossbar and on the Bottom Clamp. Tighten the two Bolts so that the speaker is securely mounted on the crossbar.
8. Turn the speaker to your desired angle, tighten the Locking Screw with the supplied M5 Allen wrench (or with your hand if utilizing the Quick-Release Knob).

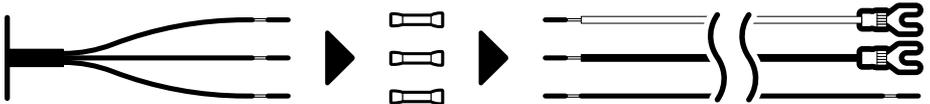
Mount the Passive Tower Speaker to the Crossbar

1. Repeat Steps 1 through 8 (from **Mount the Amplified Tower Speaker to the Crossbar**) to mount the Passive Tower Speaker to the Crossbar.

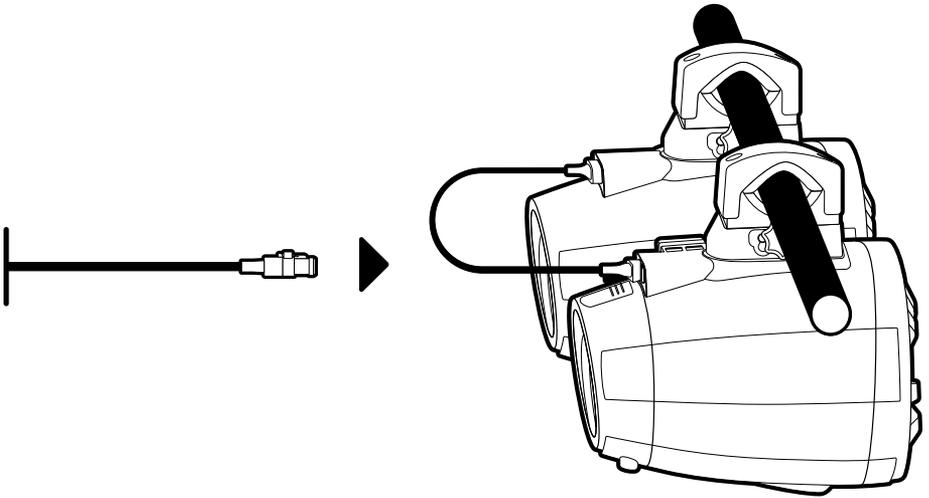
Installation and Wiring



2. Remove the 4-pin/6-pin Rubber Plug from the Deutsch Connector Jacks on each speaker and connect the Amplified Tower Speaker and Passive Tower Speaker with the supplied ("Deutsch A2" 6-pin) Deutsch Interconnection Cable. Plug in the Deutsch Connector into the 6-pin Deutsch Jack on each speaker.
3. Run the ("Deutsch A1" 4-pin) Deutsch Power Cable to the location where your vehicle's power and ignition signal terminal are located, but do **NOT** connect the cables to your vehicle's 12V battery and ignition signal terminal yet. Extension Cables have been provided, if needed.



- If needed, connect the 3 wires (+12V, GND, and Remote Turn-On) on the ("Deutsch A1" 4-pin) Deutsch Power Cable with the supplied Power Extension Cable (+12V and GND) and the supplied Remote Turn-On Extension Cable, with the supplied BUTT Connectors. Use heat-shrink tubing or electrical tape to seal the connections.



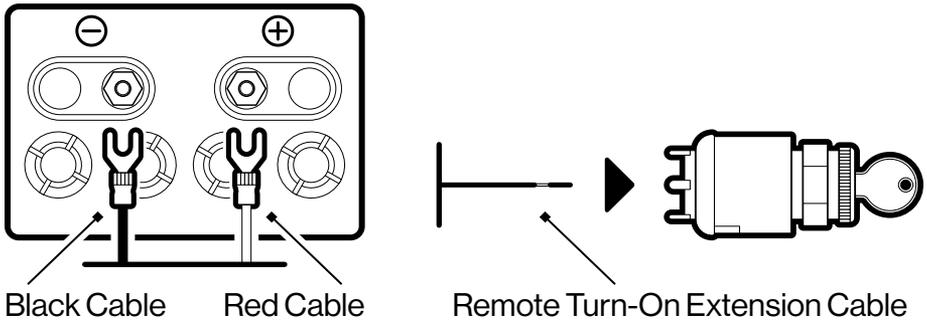
4. Plug in the 4-pin Deutsch Power Cable's connector into the 4-pin Deutsch Connector Jack on the Amplified Speaker.

IMPORTANT: For the TB8 (SEI-ETBAT7700...20) Extreme Tower Speakers, if you do not connect the Amplified Tower Speaker to the vehicle battery, (e.g., "Deutsch A1" 4-pin Power Cable is **NOT** used) you **MUST** seal the 4-pin Deutsch Connector Jack by plugging in the included 4-pin Deutsch Rubber Plug, to prevent potential water or moisture penetration into the jack.

5. Once you complete the installation, proceed to **Connecting Your Speaker to a +12V Power Supply and Powering On.**

Installation and Wiring

Connecting Your Speaker to a +12V Power Supply and Powering On



1. Once you complete one of the Installation Procedures, you can connect the 3 wires (+12V, GND, and Remote Turn-On) on the Power Cables (or Extension Cables, if needed) to the vehicle's battery and ignition signal terminal.
 - Make sure that the **RED** Cable is connected to +12V battery's positive (+) terminal and the **BLACK** Cable is connected to battery's negative (-) terminal.
 - Alternatively, both the Red Cable and the Remote Turn-On Cable can be connected to a +12V switched power source.

WARNING! Only connect to a 12 volt power supply.

Recommendation: If you are not familiar with all of the vehicle's battery or ignition switch connections, consult your vehicle's manual or a technician. Incorrect connections to your vehicle's battery or ignition signal terminal may cause damage to your speaker and your vehicle.

2. Turn on your vehicle's ignition switch. Your speakers should turn on. You can now connect an Extreme Tower Speaker to your phone and play your audio or use the built-in FM radio. Refer to your User Guide to learn how to pair two or more Amplified Extreme Tower Speakers, among other features.

Install the Rechargeable Battery Pack on the Amplified Speaker

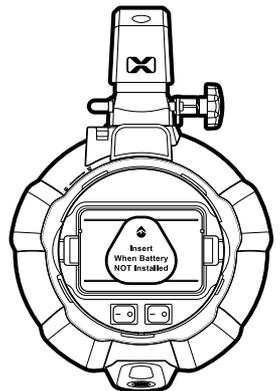
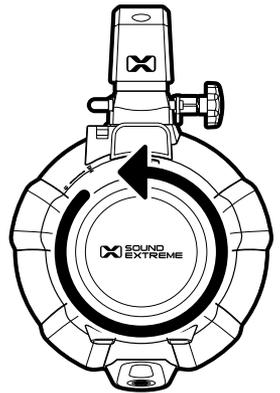
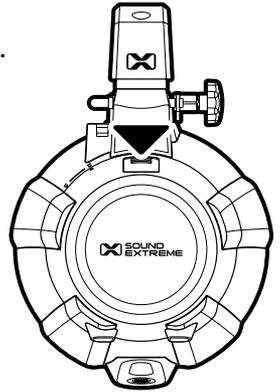
Note: The following instructions are for the TB8 (SEI-ETBAT7700...20) ExtremeTower Speakers.

If your package has a rechargeable battery, follow the steps below to install your Battery Pack on the Amplified Speaker. (The TA8 Speakers do **NOT** include a removable, rechargeable battery. You can purchase the battery separately.)

IMPORTANT: If you connect the vehicle's battery and ignition switch signal to the Amplified ExtremeTower Speaker, please turn on the speakers and check if they work fine first, then install the Battery Pack.

1. On the back of the Amplified Speaker, hold the speaker housing, press down the Latch Release Button and rotate the Cover counter-clockwise to unlock the Cover.
2. Pull out the Cover, you will see a blue, rubber Battery Port Cap inside the cavity.
3. Remove the blue Battery Port Cap and plug in the Battery Pack.

Note: Keep the Battery Port Cap for future use. If you do not connect the Amplified Tower Speaker power input to your vehicle power supply, once the battery level is low, you will need to take out this Battery Pack and have the Battery Pack charged by the included wall charger. When you remove the Battery Pack from the back of the speaker, you will need to plug in the

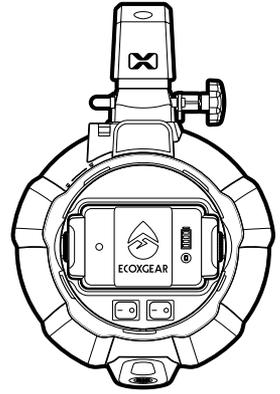


Installation and Wiring

Port Cap to protect the Battery Pack's connection area on the speaker from water, dirt and damage.

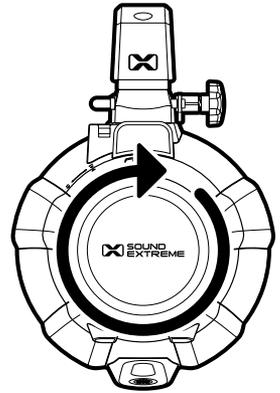
4. Place the Cover back on the speaker and turn clockwise until the latch is locked.

IMPORTANT: When you put Cover back, make sure the Cover is closed properly. If not closed properly, the Cover is **NOT** sealed and water and moisture may penetrate into the battery connection area, causing damage.

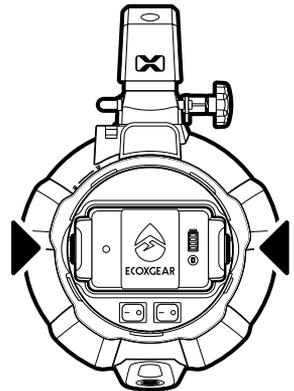


Recharge Your Battery Pack

The rechargeable Battery Pack can be charged by either the included Battery Charger or (optionally) by connecting the Amplified Tower Speaker to your vehicle's power, per the **Wiring Procedure** instructions. When doing so, your vehicle will only charge the speaker's Battery Pack when the vehicle ignition is switched on. When your ignition is switched off, it will not charge the Battery Pack; therefore, the Battery Pack will **NOT** drain your vehicle's battery.



To release the Battery Pack in order to charge it with the included Battery Charger, simply press the Battery Release Buttons on both sides of the battery and pull it out of the back of the speaker.



Next, read your User Guide to explore more
features and functions for your

Extreme Tower Speakers



 **SOUNDEXTREME**
BY ECOXGEAR