

# FS Series Loudspeakers

YOKE MOUNT/U-BRACKET

## INSTALLATION GUIDE



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### INSTALLATION SAFETY NOTICE

1. **Fixing Responsibility:** Users are responsible for securely fixing the hardware to the surface to ensure safe operation. The fixings utilized must be capable of supporting the weight of the product. Refer to the product specification pages for the appropriate weight limits. Additionally, consult the relevant construction codes in your region for guidance on suitable hardware fixing methods.
2. **Secondary Security Measures:** Certain regional construction codes may mandate the utilization of a secondary method for securing loudspeakers to surfaces to ensure a backup support system. It is recommended to attach a secondary support line from the product to a secure point on the wall. Refer to the relevant construction codes in your region for specific requirements.
3. **Accountability:** AtlasIED will not be held liable for any damages resulting from incorrect installation procedures.

Please adhere to these safety guidelines to ensure the safe and proper installation of your product. If you have any questions or concerns, feel free to contact us for assistance.

### SUMMARY OF STEPS

1. Feed wire through bracket
2. Attach bracket to mounting surface.
3. Feed wire through weatherproof back plate (optional)
4. Connect cable to Euroblock connector
5. Set wattage tap
6. Remove loudspeaker endcaps and engage loudspeaker with bracket
7. Partially tighten screws to ensure safe connection
8. Adjust angle for each access to the back plate
9. Connect Euroblock connector to loudspeaker
10. Connect weatherproof back plate (optional)
11. Adjust the angle of the loudspeaker to the desired position
12. Tighten screws to securely lock loudspeaker in place
13. Place endcaps onto U-bracket arms
14. Ensure "service loop" in place to prevent water damage (optional)

# FS Series

YOKE MOUNT/U-BRACKET



## INSTALLATION GUIDE

### INCLUDED CONTENTS/TOOLS REQUIRED

FS Series Surface Mount Loudspeakers: Included Contents/Required Tools	
PART	QTY (per loudspeaker)
Yoke Bracket (U-bracket)	1
Yoke loudspeaker tightening screws, M6, 1", button head	2
Yoke bracket endcaps/covers caps	2
Loudspeaker connector cover, rubber rings, nozzle caps, kit	4
Connector cover screws, M4, 17 mm, flat head	1
4-pin Euroblock connector, 5 mm pitch	1

### TOOLS REQUIRED

1. Electric Drill
2. Slotted head driver: 3.5 mm
3. Phillips head driver (for optional weatherproofing)
4. Wire strippers
5. Level
6. Hex key/wrench/driver: #4

# FS Series

## YOKE MOUNT/U-BRACKET



### INSTALLATION GUIDE

#### STEP 1 - FEED WIRE THROUGH BRACKET

Run the loudspeaker wires to the loudspeaker locations and through the center hole in the mounting brackets.(Figure 1)

**Note:** Ensure there is enough wire at the loudspeaker location to feed to the loudspeaker and for any required service/drip loop. See Step 14.

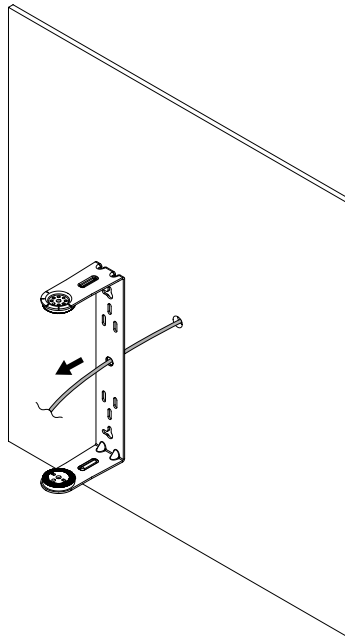


Figure 1

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#### STEP 2 - ATTACH BRACKET TO MOUNTING SURFACE

Attach the bracket to the mounting surface using hardware that is appropriate for the type of surface and loudspeaker weight. The mounting bracket can be attached either horizontally (Figure 2) or vertically (Figure 3).

Use a level to ensure the bracket is correctly aligned in the vertical or horizontal orientation.

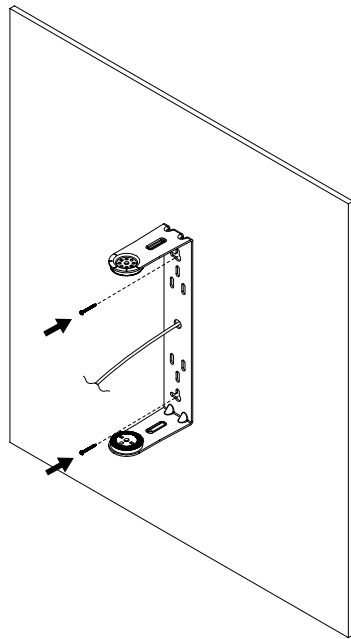


Figure 2

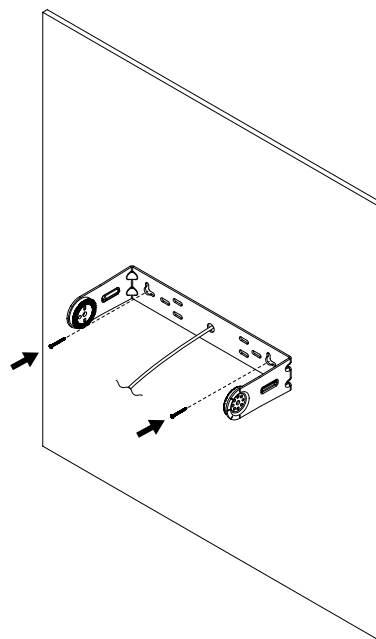


Figure 3

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#### STEP 3 - FEED WIRE THROUGH WEATHERPROOF BACK PLATE (OPTIONAL)

Use one of the following methods to make electrical connection to the loudspeakers for weatherproofing in outdoor installations.

**Note:** This is an optional step for indoor installations, but one required for weatherproofing in outdoor installations:

For indoor applications, skip to Step 4.

##### Method A – Threaded Nozzle

Using the weatherproof back plate, 3-part rubber plug, and nozzle cap:

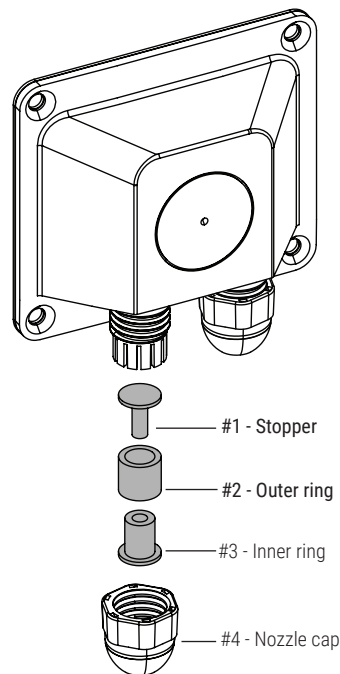


Figure 4

The threaded nozzle combined with the appropriately sized rubber ring helps seal out water from the recessed area that contains electrical connections and the wattage tap selector switch on the rear of the loudspeaker.

The 3-part rubber plugs (shipped as a single piece) can be disassembled and re-assembled as necessary to make a secure seal according to the type of connection required.

##### Recommendations:

- For thicker wire (12/2 or CAT5/6 cabling (5-7 mm)): Use the outer part of the plug alone (#2 in Figure 4 above) to create a weatherproof ring.
- For thinner wire (14/2, 16/2, or 18/2 cabling): Use the inner part of the plug (#3 in Figure 4 above) together with the outer part (#2 in Figure 4) to create a weatherproof ring.
- For no connection: When no connection is necessary, use the fully assembled rubber plug.

It is recommended to use the left cable passage for the input wiring from upstream loudspeakers/amplifier and the right cable passage for downstream loudspeakers. If no loudspeakers are to be connected downstream, the right cable passage should be completely sealed with the fully assembled rubber plug.

# FS Series

YOKE MOUNT/U-BRACKET



## INSTALLATION GUIDE

### STEP 3 - FEED WIRE THROUGH WEATHERPROOF BACK PLATE (OPTIONAL - CONTINUED)

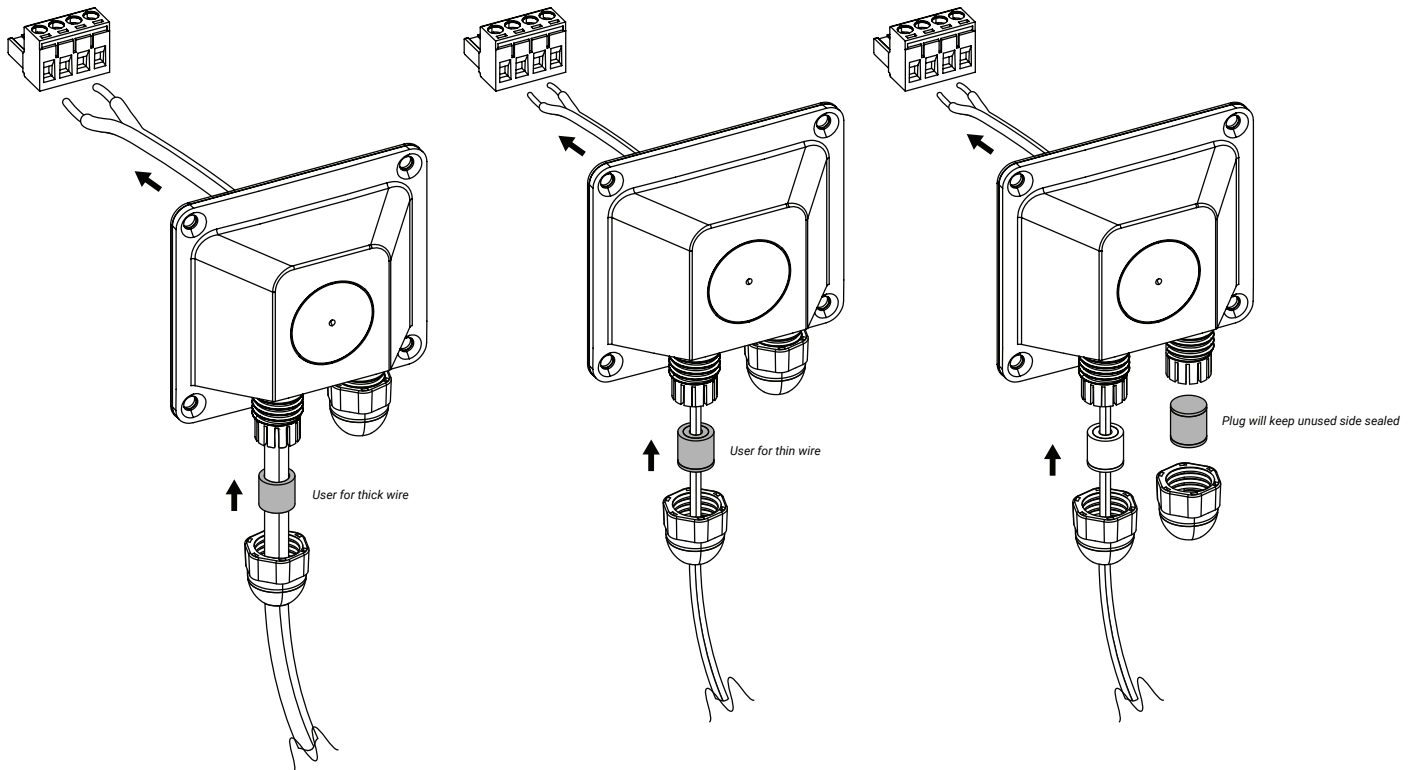


Figure 5

Feed the wire through the nozzle cap, rubber ring(s), nozzle, and into the interior of the back cover plate.(Figure 5)

Push the rubber ring(s) into the cable passage so the ring and wire fit snugly.

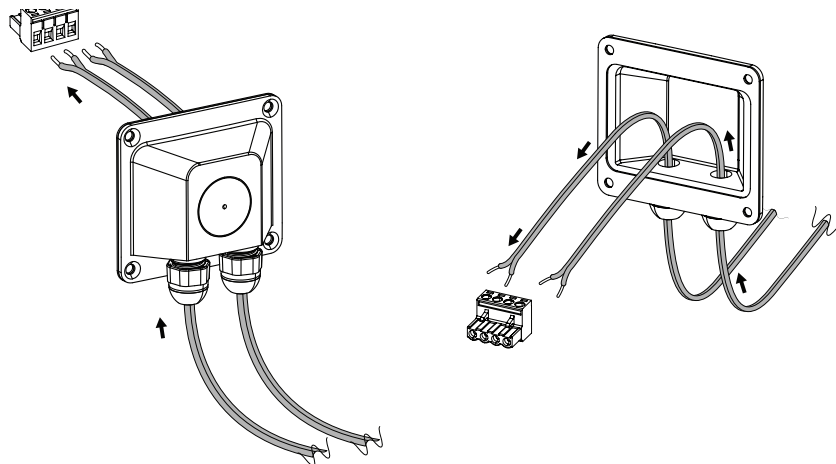


Figure 6

Pull the wire through the nozzle and into the back plate's open-space area, leaving workable slack.(Figure 6)

Partially tighten the nozzle cap so the wire remains in place. The nozzle cap will be completely tightened in Step 10(c).

# FS Series

YOKE MOUNT/U-BRACKET



## INSTALLATION GUIDE

### STEP 3 - FEED WIRE THROUGH WEATHERPROOF BACK PLATE (OPTIONAL - CONTINUED)

#### Method B – Conduit

The weatherproof back plate can also accommodate conduit wiring. Drill through the back of the plate using the appropriately sized hole saw or conduit knockout punch, then attach the conduit fitting.(Figure 7).

Plug both the cabling nozzles using the assembled solid rubber seals and tighten both nozzle caps to create the weatherproof seal.(Figure 8)

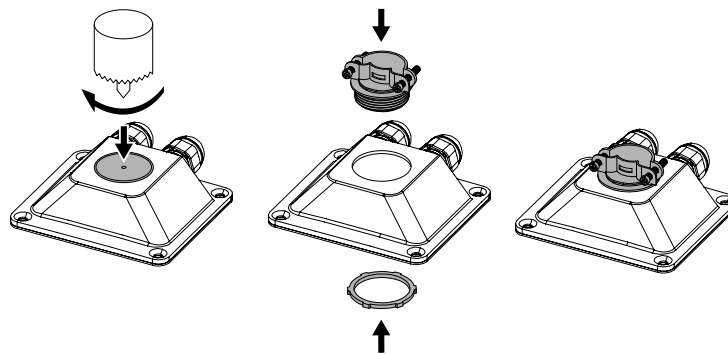


Figure 7

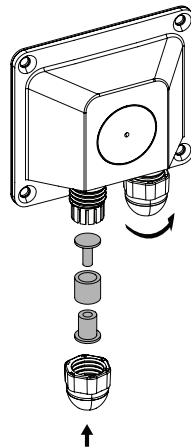


Figure 8



# FS Series

YOKE MOUNT/U-BRACKET



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### STEP 4 - CONNECT CABLE TO EUROBLOCK CONNECTOR

Strip off an appropriate amount of insulation from each wire and insert the wire into the correct pin opening on the connector. Use a small slotted screwdriver to tighten the corresponding screw to secure the wire.(Figure 9).

Connect the Input pins to the amplifier upstream. Connect the Output pins to any additional 70.7 V/100 V loudspeakers downstream or to a second loudspeaker for 4  $\Omega$  operation, if used in low impedance mode.(Figure 10).

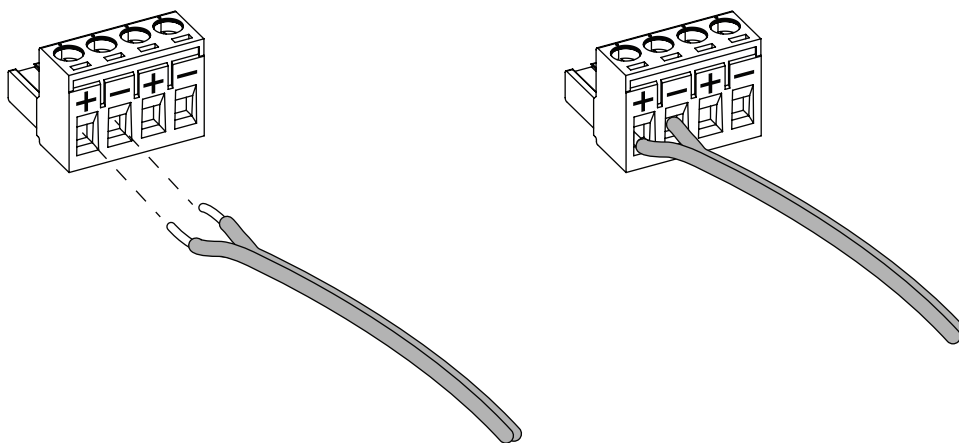


Figure 9

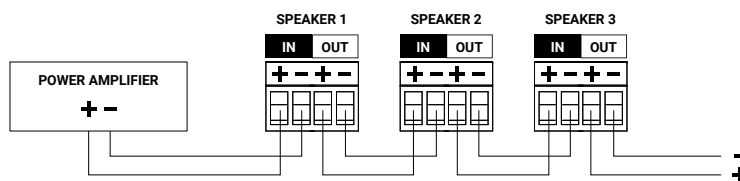


Figure 10

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YOKE MOUNT/U-BRACKET



## INSTALLATION GUIDE

### STEP 5 - SET WATTAGE TAP

Determine the proper wattage setting and set the loudspeaker's transformer tap selector so that the switch position aligns with the desired wattage value. (Figure 11)

**Note:** The 70.7 V tap settings are shown on top in black, and the 100 V settings shown on bottom in white. The 8  $\Omega$  bypass setting is the leftmost position.

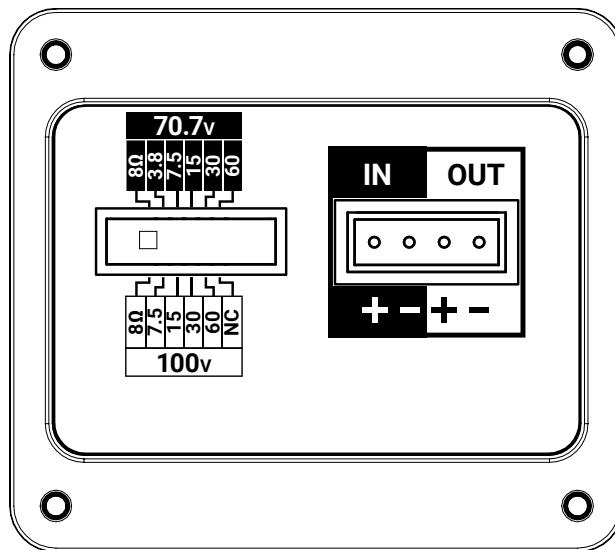


Figure 11

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## YOKE MOUNT/U-BRACKET



### INSTALLATION GUIDE

#### STEP 6 - REMOVE LOUDSPEAKER ENDCAPS AND ENGAGE LOUDSPEAKER WITH BRACKET

Remove the two endcaps from the top and bottom of the loudspeaker by firmly pulling them away.(Figure 12) This exposes the mechanism that will engage and lock with the U-bracket arms.

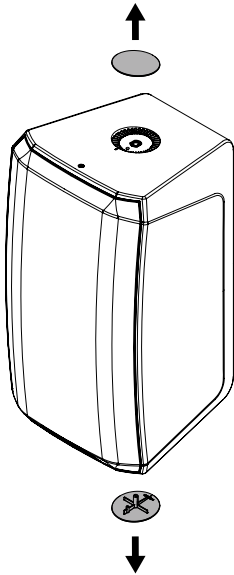


Figure 12

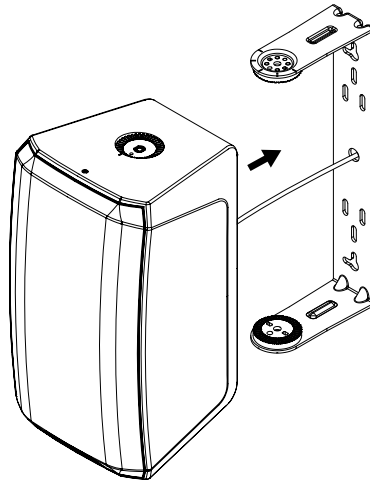


Figure 13

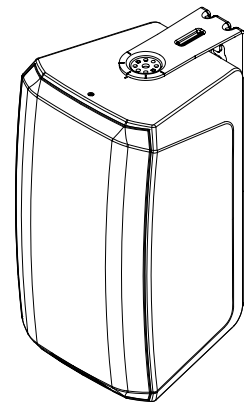


Figure 14

Slide the loudspeaker between the bracket arms until the pivot teeth on the loudspeaker engage with the corresponding pivot grooves on the bracket.(Figure 13)

Ensure that the loudspeaker is securely seated in the bracket.(Figure 14)

# FS Series

## YOKE MOUNT/U-BRACKET



### INSTALLATION GUIDE

#### STEP 7 - PARTIALLY TIGHTEN SCREWS TO ENSURE SAFE CONNECTION

Use a #4 hex wrench/driver to partially thread the endcap screws through the bracket and into the loudspeaker to secure in place, keeping the screws loose enough for the aiming adjustment in Step 11.(Figure 14).

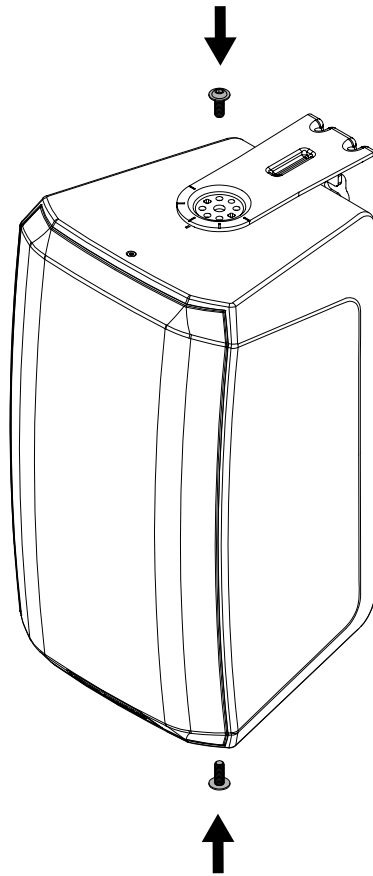


Figure 14

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YOKE MOUNT/U-BRACKET



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### STEP 8 - ADJUST ANGLE FOR EACH ACCESS TO THE BACK PLATE

Adjust the loudspeaker angle to allow workable access to the connectors on the back.(Figure 15)

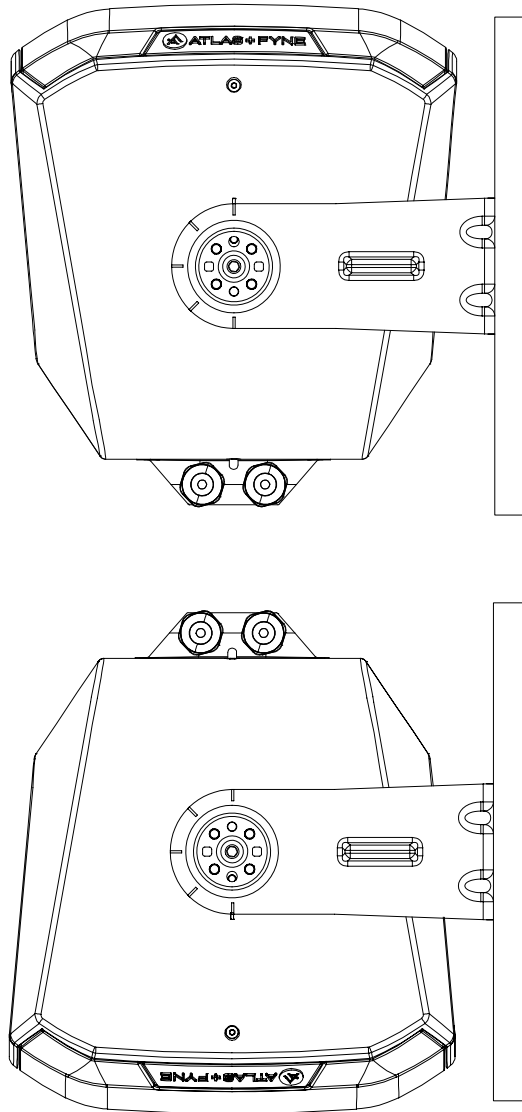


Figure 15

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YOKE MOUNT/U-BRACKET



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### STEP 9 - CONNECT EUROBLOCK CONNECTOR TO LOUDSPEAKER

Connect the configured Euroblock connector to the back panel of the loudspeaker.(Figure 16)

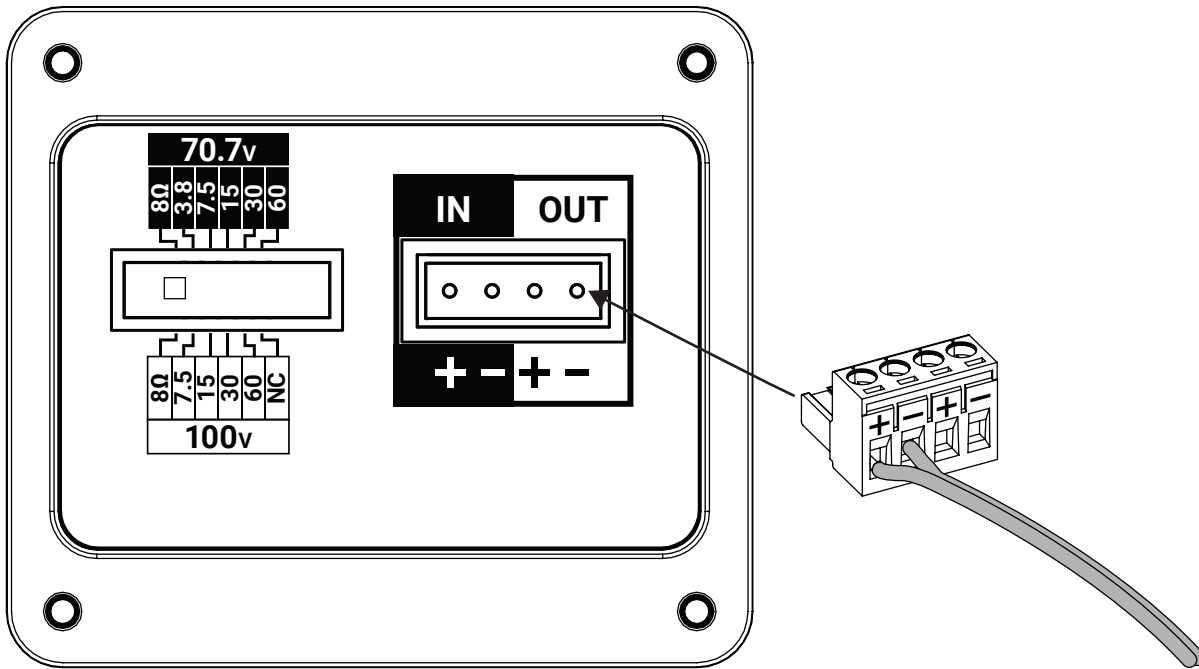


Figure 16

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YOKE MOUNT/U-BRACKET



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### STEP 10 - CONNECT WEATHERPROOF BACK PLATE (OPTIONAL)

**Note:** This is an optional step for indoor installations, but one required for weatherproofing in outdoor installations.

- Slide the weatherproof back plate along the loudspeaker wire until the plate is flush with the recessed cover opening.(Figure 17)
- Use the included screws and a Phillips head screwdriver to affix the back plate to the loudspeaker.(Figure 17)
- Tighten the cabling nozzle caps until snug.(Figure 18)

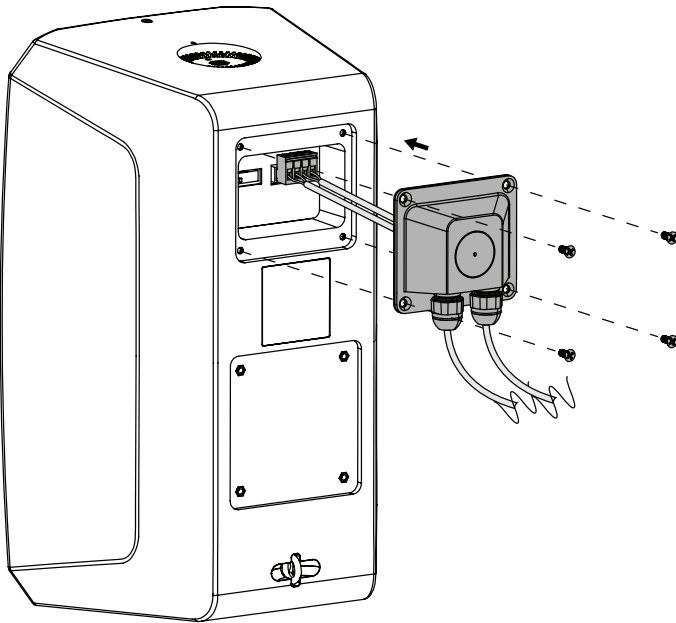


Figure 17

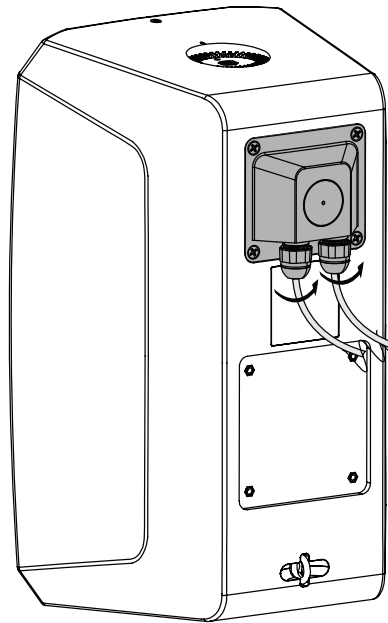


Figure 18

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YOKE MOUNT/U-BRACKET



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### STEP 11 - ADJUST THE ANGLE OF THE LOUDSPEAKER TO THE DESIRED POSITION

Adjust the angle of the loudspeaker to the desired position using the pivot mechanism on the bracket.(Figure 19)

The loudspeaker can adjust 180° in increments of 9°. Use the markings on the loudspeaker and the bracket as guides to help with alignment.

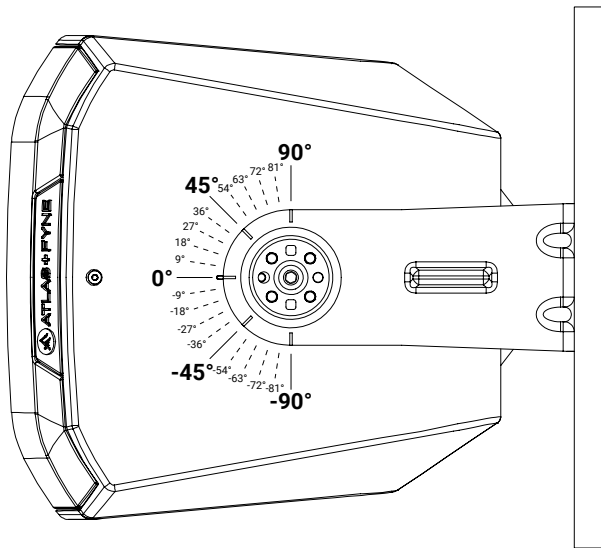


Figure 19



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YOKE MOUNT/U-BRACKET



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### STEP 12 - TIGHTEN SCREWS TO SECURELY LOCK LOUDSPEAKER IN PLACE

Using a #4 hex wrench/driver, fully tighten the partially threaded bracket screws.(Figure 20)

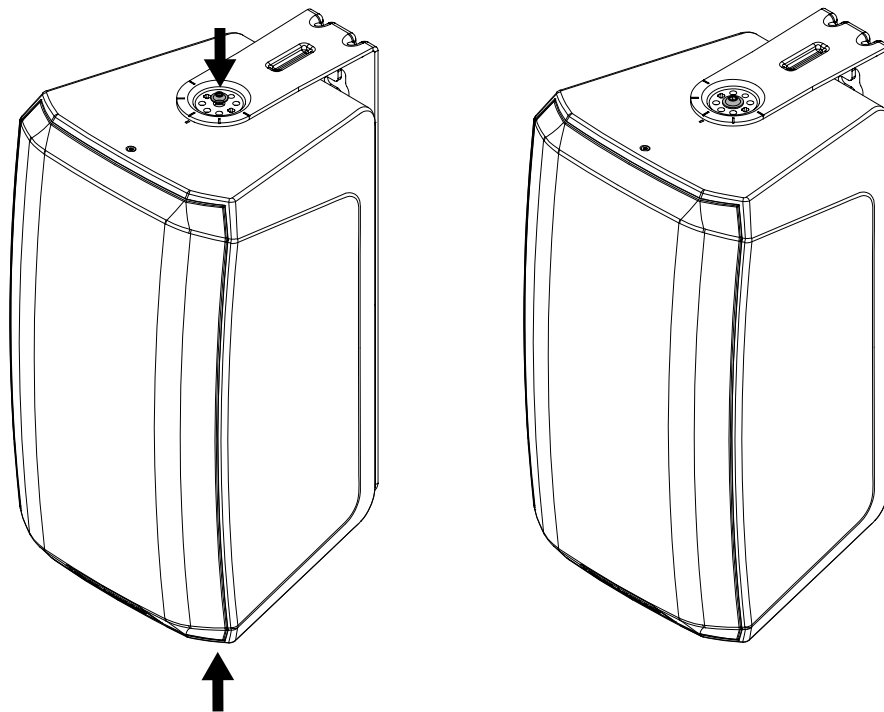


Figure 20

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YOKE MOUNT/U-BRACKET



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### STEP 13 - PLACE ENDCAPS ONTO U-BRACKET ARMS

Place the endcaps over the screws in the U-bracket arms and press firmly until they snap into place.(Figure 21)

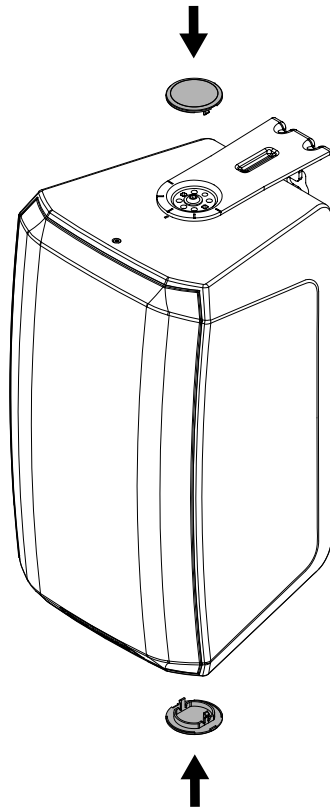


Figure 21

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YOKE MOUNT/U-BRACKET



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### STEP 14 - ENSURE "SERVICE LOOP" IN PLACE TO PREVENT WATER DAMAGE (OPTIONAL)

**Note:** This is an optional step in indoor installations, but one required for weatherproofing in outdoor installations:

Ensure that one point of the loudspeaker wire is below the point where the wire is fed through the yoke bracket to create a "service" or "drip" loop. (Figure 22 - #1) This directs water away from the service panel of the loudspeaker.

**Note:** Connect the safety tether from the safety ring at the bottom of the loudspeaker (Figure 22 - #2) to a structurally adequate location on the mounting surface to support the weight of the loudspeaker should the loudspeaker fall.

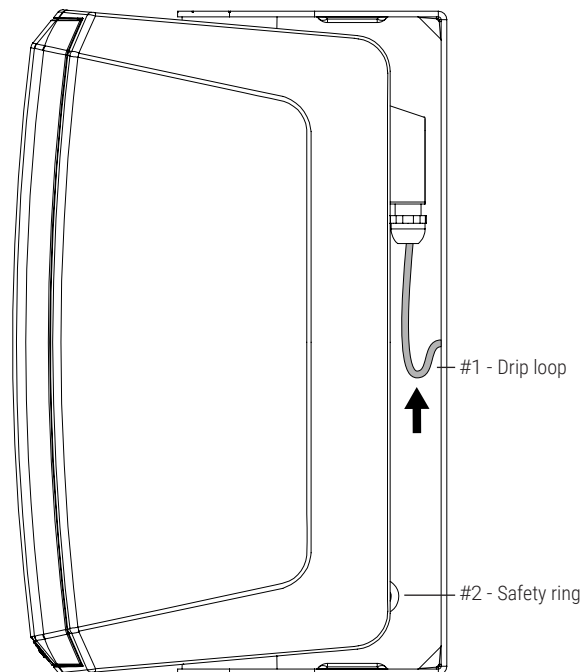


Figure 22

# FS Series

## YOKE MOUNT/U-BRACKET



### INSTALLATION GUIDE

#### LIMITED WARRANTY

All products manufactured by AtlasIED are warranted to the original dealer/installer, industrial or commercial purchaser to be free from defects in material and workmanship and to be in compliance with our published specifications, if any. This warranty shall extend from the date of purchase for a period of three years on all AtlasIED products, including SOUNDOLIER brand, and ATLAS SOUND brand products except as follows: one year on electronics and control systems; one year on replacement parts; and one year on Musician Series stands and related accessories. Additionally, fuses and lamps carry no warranty. AtlasIED will solely at its discretion, replace at no charge or repair free of charge defective parts or products when the product has been applied and used in accordance with our published operation and installation instructions. We will not be responsible for defects caused by improper storage, misuse (including failure to provide reasonable and necessary maintenance), accident, abnormal atmospheres, water immersion, lightning discharge, or malfunctions when products have been modified or operated in excess of rated power, altered, serviced or installed in other than a workman like manner. The original sales invoice should be retained as evidence of purchase under the terms of this warranty. All warranty returns must comply with our returns policy set forth below. When products returned to AtlasIED do not qualify for repair or replacement under our warranty, repairs may be performed at prevailing costs for material and labor unless there is included with the returned product(s) a written request for an estimate of repair costs before any nonwarranty work is performed. In the event of replacement or upon completion of repairs, return shipment will be made with the transportation charges collect.

EXCEPT TO THE EXTENT THAT APPLICABLE LAW PREVENTS THE LIMITATION OF CONSEQUENTIAL DAMAGES FOR PERSONAL INJURY, ATLASIED SHALL NOT BE LIABLE IN TORT OR CONTRACT FOR ANY DIRECT, CONSEQUENTIAL OR INCIDENTAL LOSS OR DAMAGE ARISING OUT OF THE INSTALLATION, USE OR INABILITY TO USE THE PRODUCTS. THE ABOVE WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

AtlasIED does not assume, or does it authorize any other person to assume or extend on its behalf, any other warranty, obligation, or liability. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

#### SERVICE

Should your Atlas FS Series Yoke/U-bracket Mount require service, please contact the AtlasIED warranty department at 1-877-689-8055, ext. 277 to obtain an RA number.

AtlasIED Tech Support can be reached at 1-800-876-3333 or [support.atlasied.com](mailto:support.atlasied.com).

Visit our website at [www.AtlasIED.com](http://www.AtlasIED.com) to see other AtlasIED products.