NEXTIVITY A71 Series Smart Server Antenna User Guide

NEXTIVITY
Smarter by Design

SMART SERVER ANTENNA
Quick Start Guide
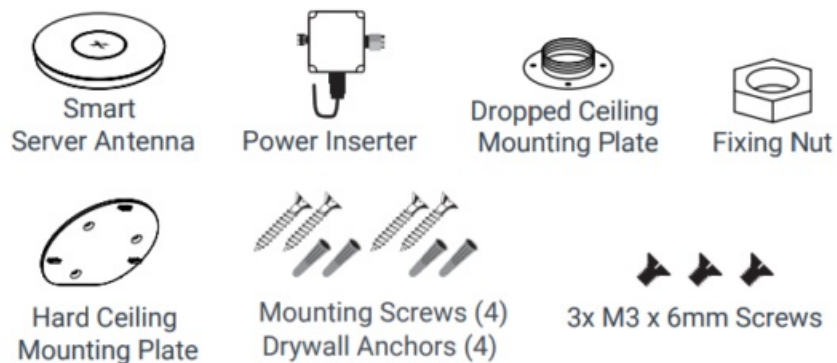**Low Profile Omnidirectional Antenna**

KIT#:
A71-PV4-C00
A71-JV4-C00
A71-JV7-C00
Antenna Installation

The Smart Server Antenna is an active , omnidirectional antenna that is compatible with select CEL-FI and SHIELD products. Installation is easy on hard and dropped ceilings. Integration and alarms are accessible via WAVE software.

Contents

Included In the Box

Smart Server Antenna — Power Inserter — Dropped Ceiling Mounting Plate — Fixing Nut

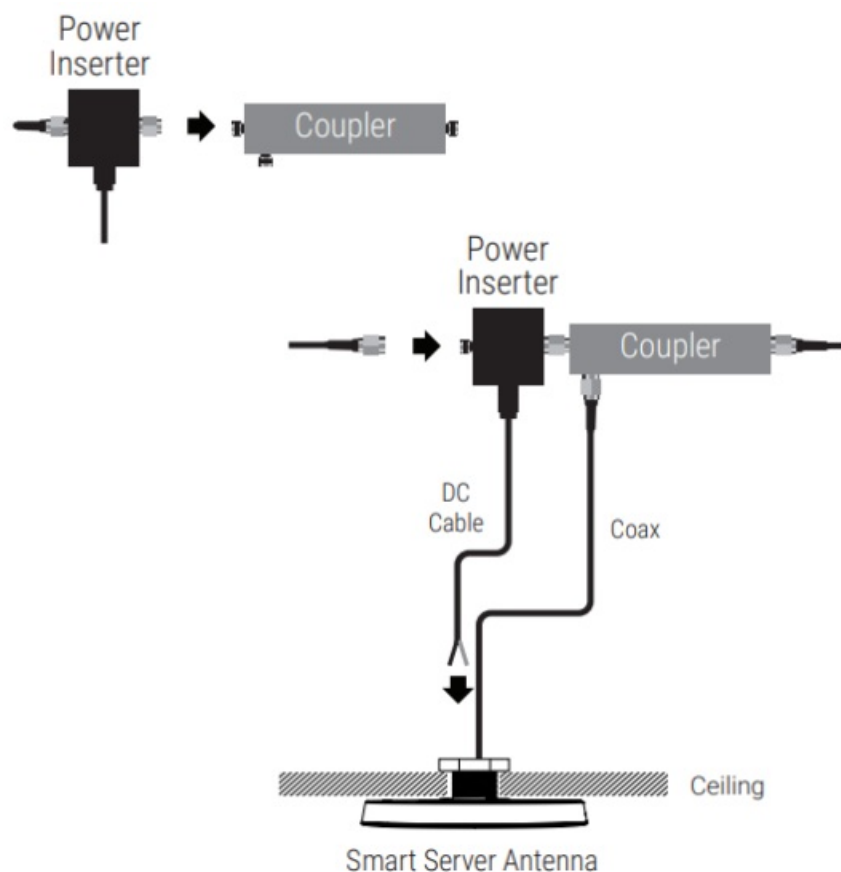Hard Ceiling Mounting Plate — Mounting Screws (4) Drywall Anchors (4) — 3x M3 x 6mm Screws

DROPPED CEILING INSTALL

STEP 1: Connect the Power Inserter to the signal source cable before each splitter/coupler/tapper in the Distributed Antenna System (DAS). A typical directional coupler example is shown below.
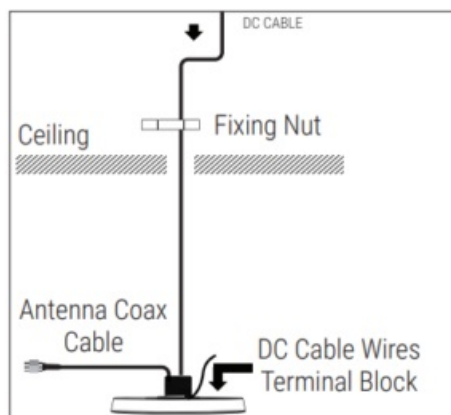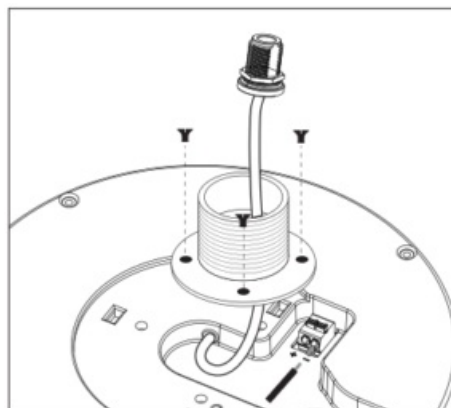
STEP 2: Route the DC and coax cables to the Smart Server Antenna. Add a separate DC extension cable if needed to reach the desired Smart Server Antenna installation location.
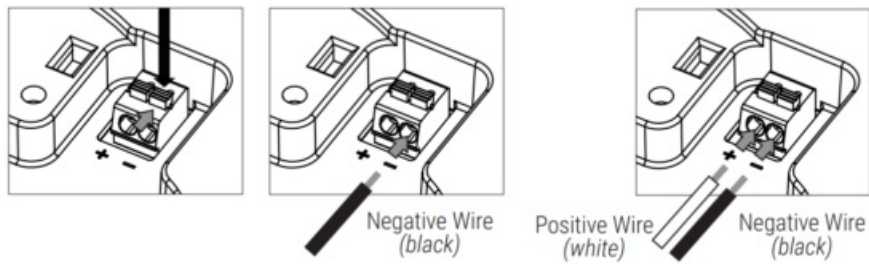
STEP 3: Drill a 2-inch (50 mm) diameter hole in the dropped ceiling at the desired Smart Server Antenna location.
NOTE: If installing on a hard ceiling, go to Step 3 in the "HARD CEILING INSTALL" section.

STEP 4: Feed the antenna coax cable up through the Dropped Ceiling Mounting Plate and attach the Dropped Ceiling Mounting Plate to the back of the Smart Server Antenna using the three M3 Screws and a 2 mm hex wrench.
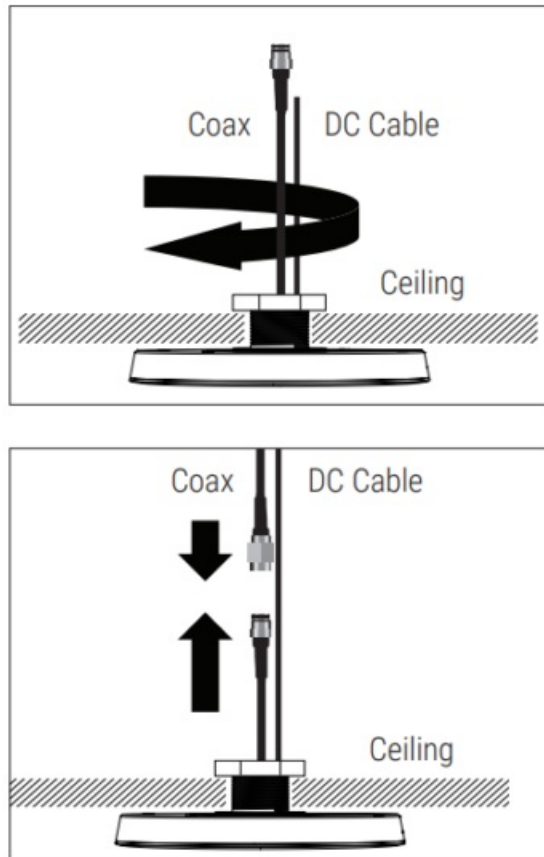

STEP 5: Thread the DC Power cable through the Fixing Nut above the ceiling and down through the hole. Continue by guiding it through the center of the Dropped Ceiling Mounting Plate, ensuring that the DC cable wires extend with sufficient length for easy connection to the DC wire terminal block on the antenna.
STEP 6: Depress the negative wire spring button on the antenna DC wire terminal block, insert the stripped negative wire into the slot, and release the button. Gently pull-test thewire to make sure that it is firmly connected.

Negative Wire (black) · Positive Wire (white) · Negative Wire (black)

STEP 7: Repeat Step 6 for the positive wire.
STEP 8: Feed the antenna assembly and cabling up through the drilled ceiling hole in Step 3, and screw the Fixing Nut onto the Dropped Ceiling Mounting Plate threads to secure the antenna to the dropped ceiling.
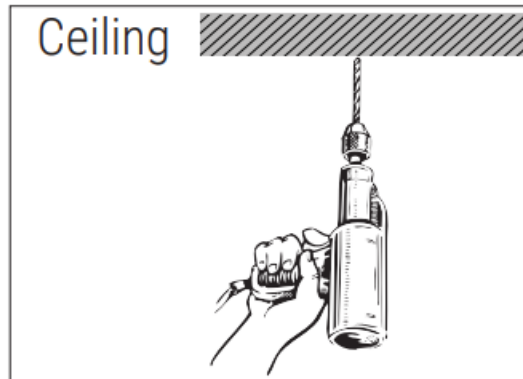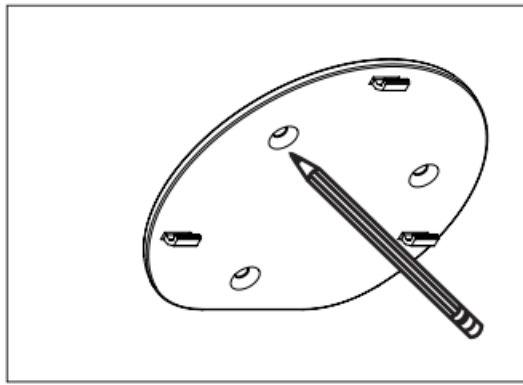**STEP 9:** Connect the antenna coax cable to the signal source coax cable.
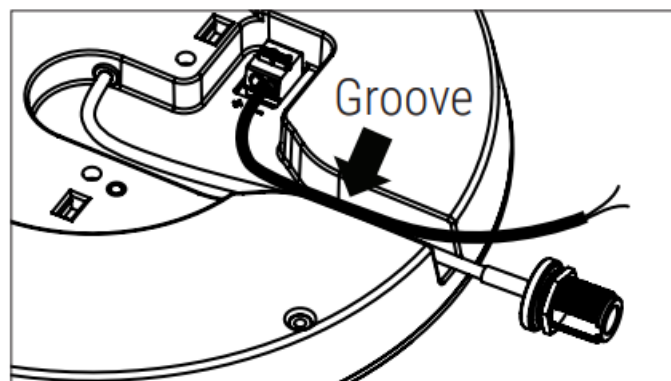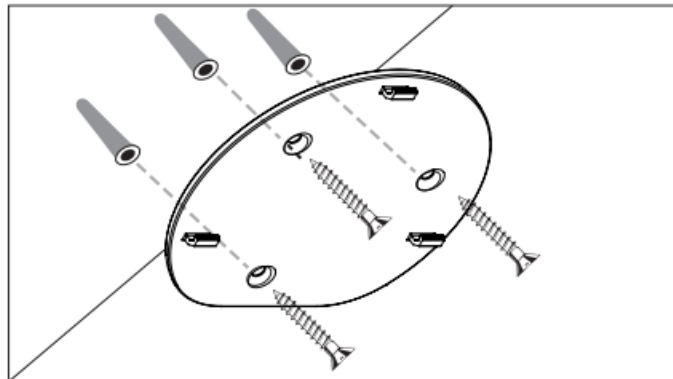

HARD CEILING INSTALL

STEP 3: Place the Hard Ceiling Mounting Plate against the ceiling, oriented so the cables will exit the antenna in the desired direction along the flat edge of the plate. Then mark the three holes for the Drywall Anchors.
STEP 4: Drill the three holes for the supplied Drywall Anchors.
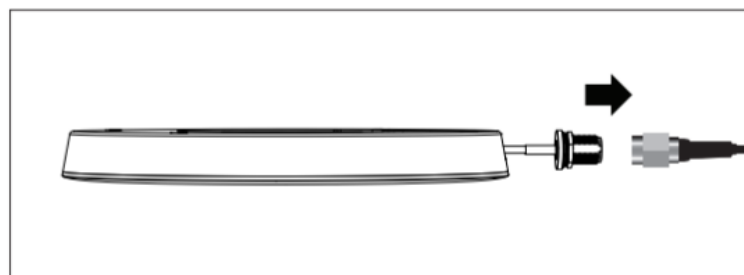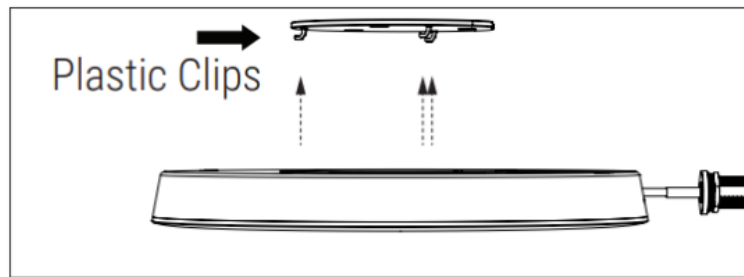
Ceiling

STEP 6: Connect the DC cable wires to the DC wire terminal block as shown in DROPPED CEILING INSTALL Steps 6 and 7. Then place the DC cable and antenna coax cable into the groove, being careful not to pull on the RF connector.

STEP 5: Insert the Drywall Anchors into the drilled holes and use the Mounting Screws to secure the Hard Ceiling Mounting Plate to the ceiling.
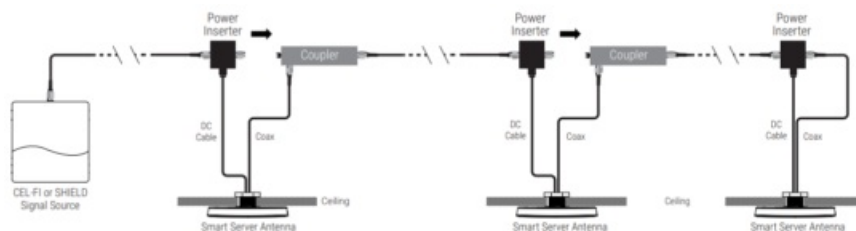

Groove

STEP 7: Align the plastic clips on the Hard Ceiling Mounting Plate with the three holes on the antenna and snap the antenna onto the plate in the direction of the cable groove.

STEP 8: Connect the antenna coax cable to the signal source cable, being careful not to pull on the antenna coax cable connector.

Connection Diagram

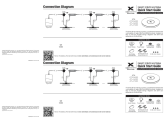Review the latest authorized antennas at: **www.nextivityinc.com/antennas/smart-server-antenna**

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Documents / Resources

NEXTIVITY A71 Series Smart Server Antenna [pdf] User Guide
A71-PV4-C00, A71-JV4-C00, A71-JV7-C00, A71 Series Smart Server Antenna, A71 Series, Smart Server Antenna, Server Antenna, Antenna

References

- **User Manual**