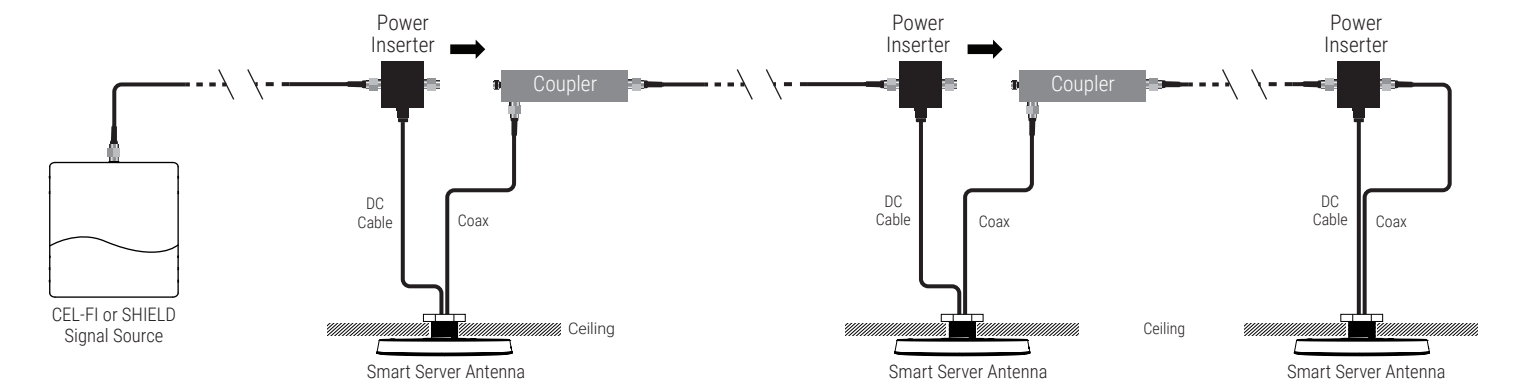


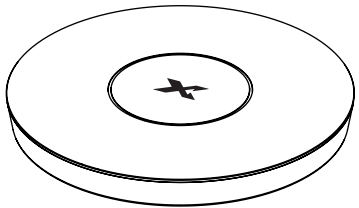
Connection Diagram



SMART SERVER ANTENNA Quick Start Guide

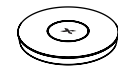
Low Profile Omnidirectional Antenna

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



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.

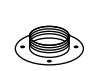
Included In the Box



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

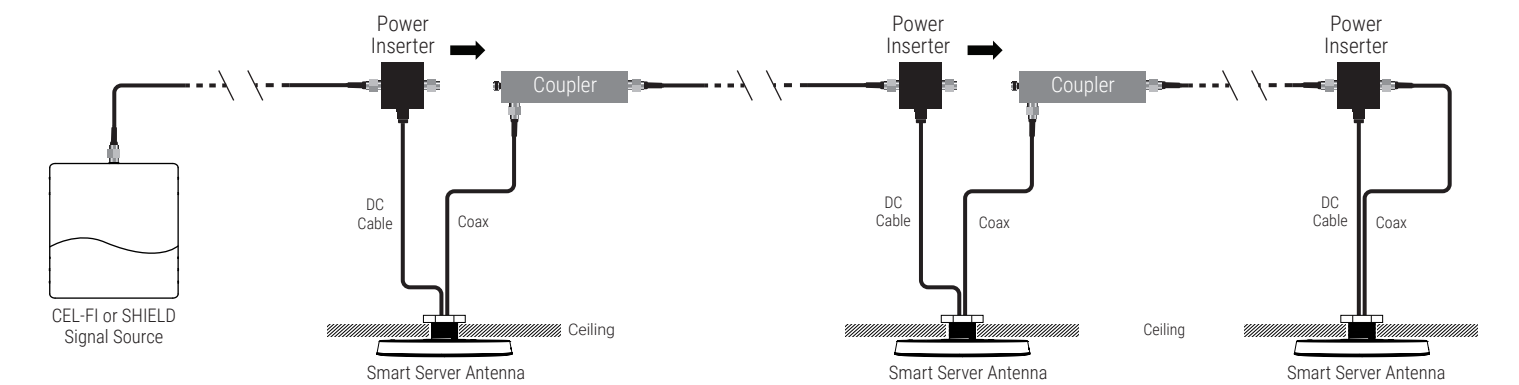
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qsg_active-server-antenna_23-0915

420N007-A71-001-01-RA



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

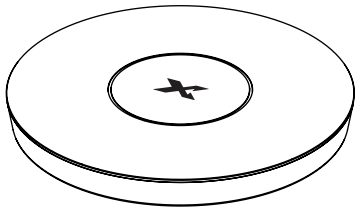
Connection Diagram



SMART SERVER ANTENNA Quick Start Guide

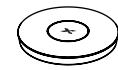
Low Profile Omnidirectional Antenna

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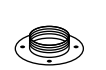
Included In the Box



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

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qsg_active-server-antenna_23-0915

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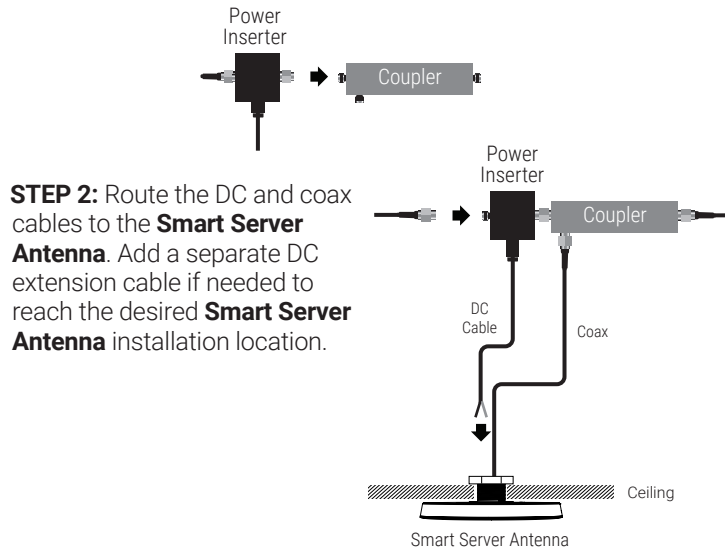


Review the latest authorized antennas at: www.nextivityinc.com/antennas/smart-server-antenna

Antenna Installation

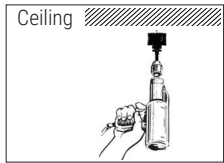
DROPPED CEILING INSTALL

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.

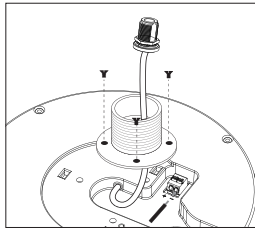


STEP 2: Route the DC and coax cables to the **Smart Server Antenna**. Add a separate DC extension cable if needed to reach the desired **Smart Server Antenna** installation location.

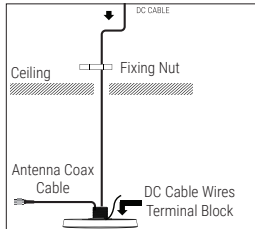
NOTE: If installing on a hard ceiling, go to Step 3 in the "HARD CEILING INSTALL" section.



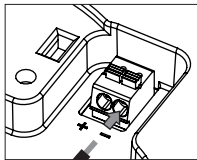
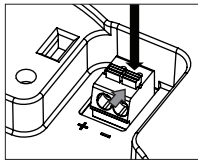
STEP 4: Feed the antenna coax cable up through the **Dropped Ceiling Mounting Plate** and attach the **Dropped Ceiling Mounting Plate** to the back of the **Smart Server Antenna** using the three **M3 Screws** and a 2 mm hex wrench.



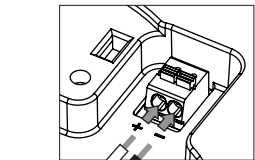
STEP 5: Thread the DC Power cable through the **Fixing Nut** above the ceiling and down through the hole. Continue by guiding it through the center of the **Dropped Ceiling Mounting Plate**, ensuring that the DC cable wires extend with sufficient length for easy connection to the DC wire terminal block 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 the wire to make sure that it is firmly connected.

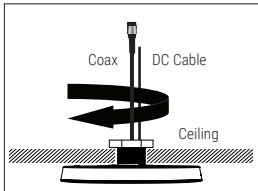


STEP 7: Repeat Step 6 for the positive wire.

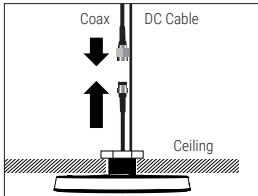


HARD CEILING INSTALL

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.

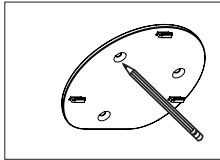


STEP 9: Connect the antenna coax cable to the signal source coax cable.

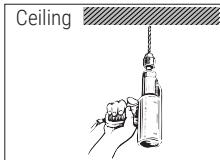


HARD CEILING INSTALL

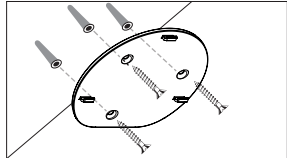
STEP 3: Place the **Hard Ceiling Mounting Plate** against the ceiling, oriented so the cables will exit the antenna in the desired direction along the flat edge of the plate. Then mark the three holes for the **Drywall Anchors**.



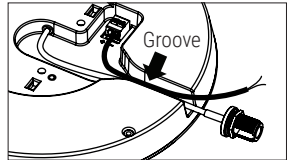
STEP 4: Drill the three holes for the supplied **Drywall Anchors**.



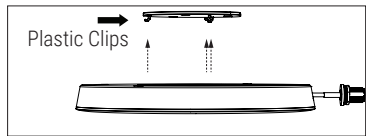
STEP 5: Insert the **Drywall Anchors** into the drilled holes and use the **Mounting Screws** to secure the **Hard Ceiling Mounting Plate** to the ceiling.



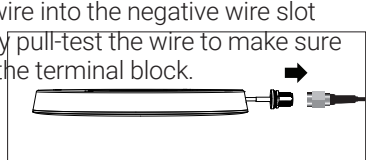
STEP 6: Connect the DC cable wires to the DC wire terminal block as shown in DROPPED CEILING INSTALL Steps 6 and 7. Then place the DC cable and antenna coax cable into the groove, being careful not to pull on the RF connector.



STEP 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.



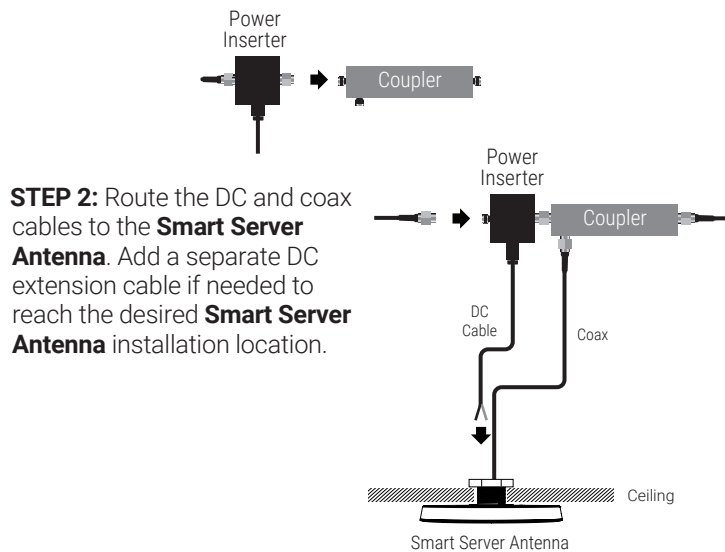
STEP 8: Connect the antenna coax cable to the signal source coax cable, being careful not to pull on the antenna coax cable connector.



Antenna Installation

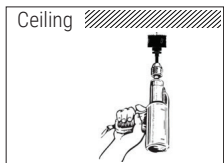
DROPPED CEILING INSTALL

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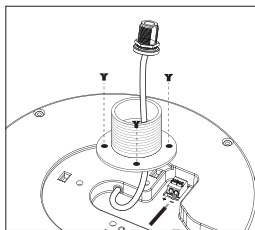


STEP 2: Route the DC and coax cables to the **Smart Server Antenna**. Add a separate DC extension cable if needed to reach the desired **Smart Server Antenna** installation location.

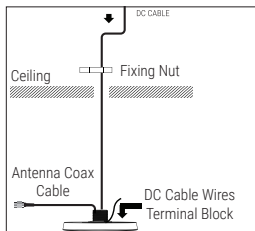
NOTE: If installing on a hard ceiling, go to Step 3 in the "HARD CEILING INSTALL" section.



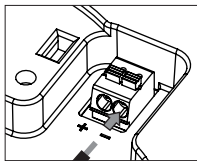
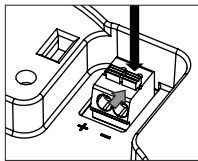
STEP 4: Feed the antenna coax cable up through the **Dropped Ceiling Mounting Plate** and attach the **Dropped Ceiling Mounting Plate** to the back of the **Smart Server Antenna** using the three **M3 Screws** and a 2 mm hex wrench.



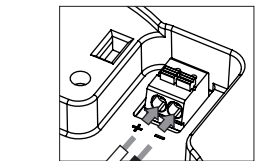
STEP 5: Thread the DC Power cable through the **Fixing Nut** above the ceiling and down through the hole. Continue by guiding it through the center of the **Dropped Ceiling Mounting Plate**, ensuring that the DC cable wires extend with sufficient length for easy connection to the DC wire terminal block 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 the wire to make sure that it is firmly connected.

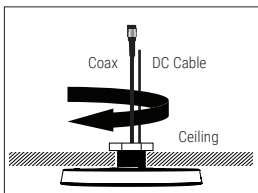


STEP 7: Repeat Step 6 for the positive wire.

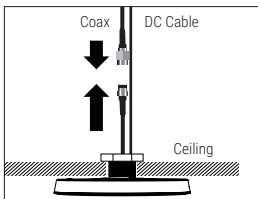


HARD CEILING INSTALL

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.

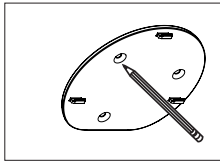


STEP 9: Connect the antenna coax cable to the signal source coax cable.

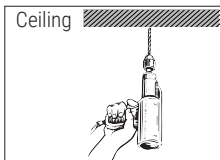


HARD CEILING INSTALL

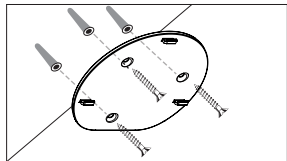
STEP 3: Place the **Hard Ceiling Mounting Plate** against the ceiling, oriented so the cables will exit the antenna in the desired direction along the flat edge of the plate. Then mark the three holes for the **Drywall Anchors**.



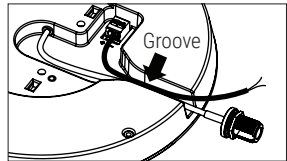
STEP 4: Drill the three holes for the supplied **Drywall Anchors**.



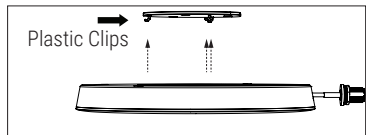
STEP 5: Insert the **Drywall Anchors** into the drilled holes and use the **Mounting Screws** to secure the **Hard Ceiling Mounting Plate** to the ceiling.



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.



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

