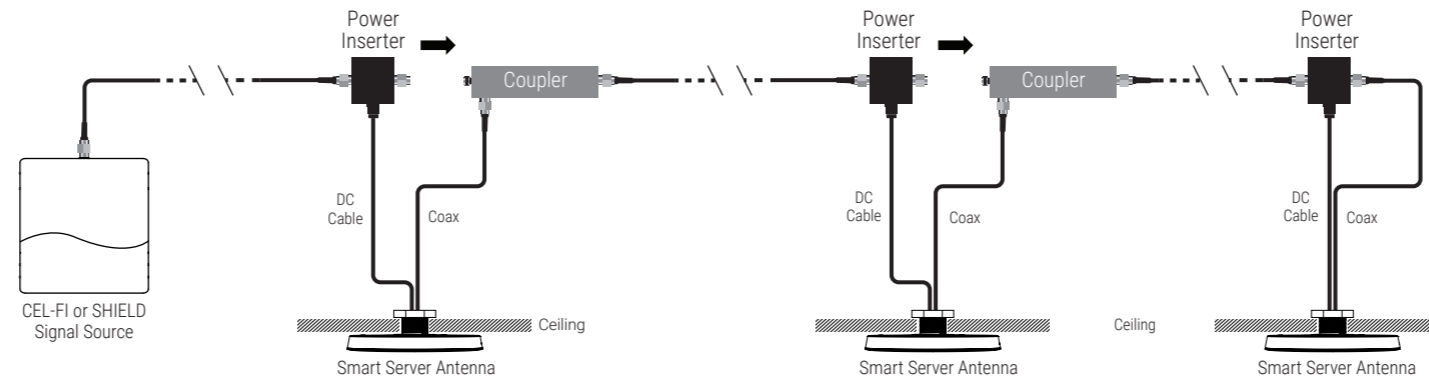


# Connection Diagram



## SMART SERVER ANTENNA Quick Start Guide

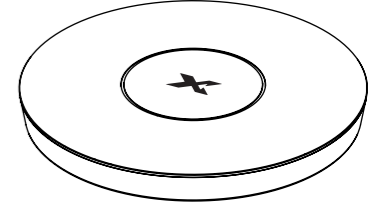
Low Profile Omnidirectional Antenna

KIT#:

A71-PV4-C00

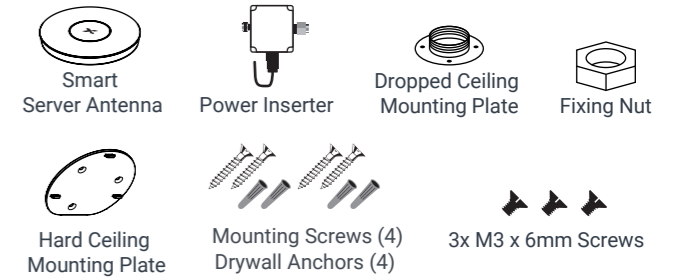
A71-JV4-C00

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



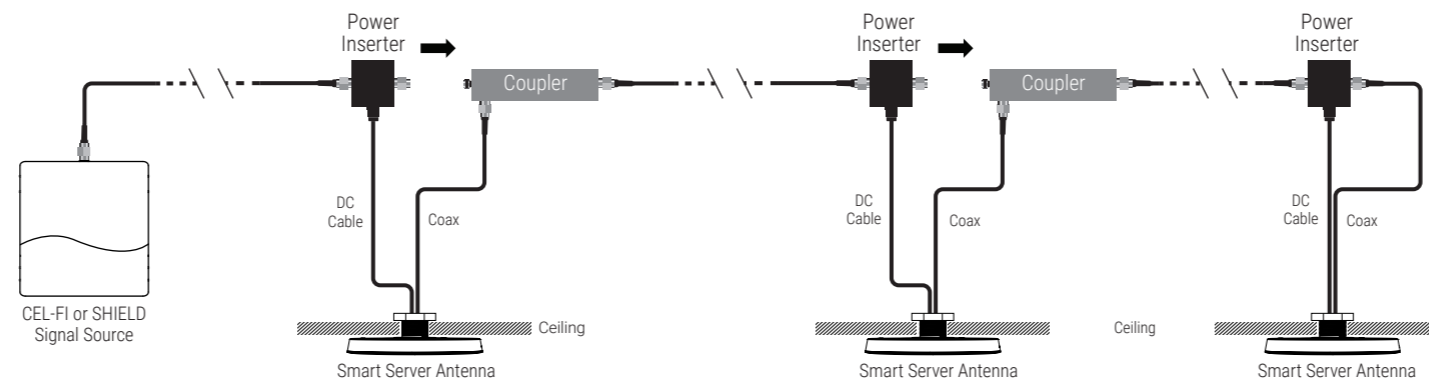
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qsg\_active-server-antenna\_23-0915



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420N007-A71-001-01-RA

# Connection Diagram



## SMART SERVER ANTENNA Quick Start Guide

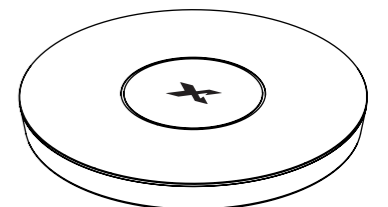
Low Profile Omnidirectional Antenna

KIT#:

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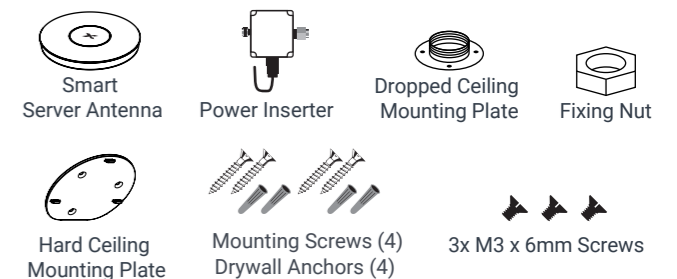
A71-JV4-C00

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



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qsg\_active-server-antenna\_23-0915



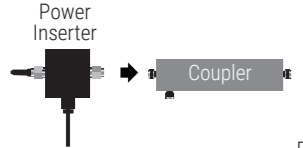
Review the latest authorized antennas at: [www.nextivityinc.com/antennas/smart-server-antenna](http://www.nextivityinc.com/antennas/smart-server-antenna)

420N007-A71-001-01-RA

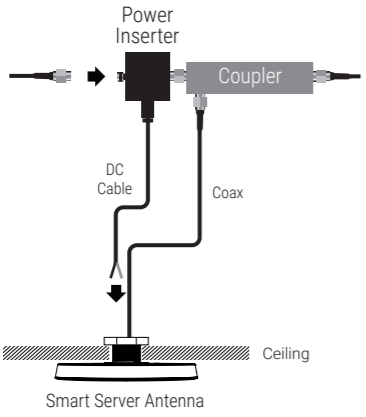
# Antenna Installation

## DROPPED CEILING INSTALL

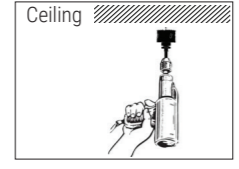
**STEP 1:** Connect the **Power Inserter** to the signal source cable before each splitter/coupler/tapper in the Distributed Antenna System (DAS). A typical directional coupler example is shown below.



**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.

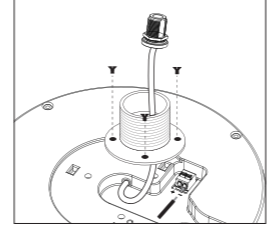


**STEP 3:** Drill a 2-inch (50 mm) diameter hole in the dropped ceiling at the desired **Smart Server Antenna** location.

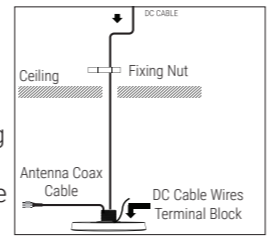


**NOTE:** If installing on a hard ceiling, go to Step 3 in the "HARD CEILING INSTALL" section.

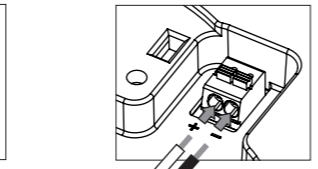
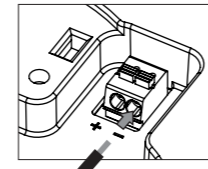
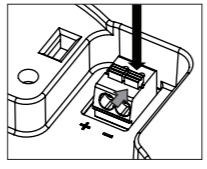
**STEP 4:** Feed the antenna coax cable up through the **Dropped Ceiling Mounting Plate** and attach the **Dropped Ceiling Mounting Plate** to the back of the **Smart Server Antenna** using the three **M3 Screws** and a 2 mm hex wrench.



**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.

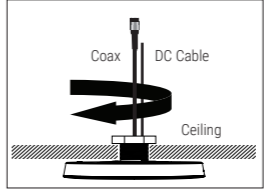


**STEP 6:** Depress the negative wire spring button on the antenna DC wire terminal block, insert the stripped negative wire into the slot, and release the button. Gently pull-test the wire to make sure that it is firmly connected.

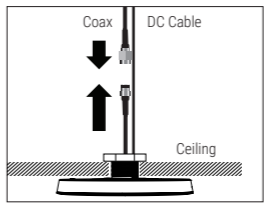


**STEP 7:** Repeat Step 6 for the positive wire.

**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.

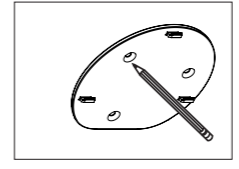


**STEP 9:** Connect the antenna coax cable to the signal source coax cable.

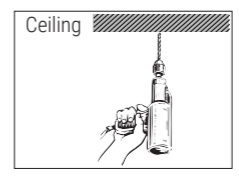


## HARD CEILING INSTALL

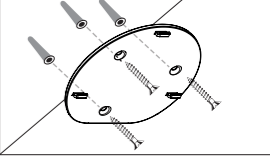
**STEP 3:** Place the **Hard Ceiling Mounting Plate** against the ceiling, oriented so the cables will exit the antenna in the desired direction along the flat edge of the plate. Then mark the three holes for the **Drywall Anchors**.



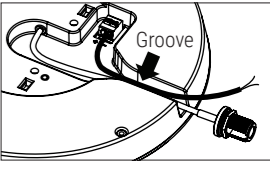
**STEP 4:** Drill the three holes for the supplied **Drywall Anchors**.



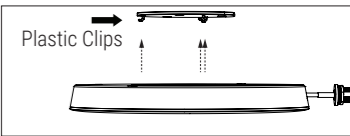
**STEP 5:** Insert the **Drywall Anchors** into the drilled holes and use the **Mounting Screws** to secure the **Hard Ceiling Mounting Plate** to the ceiling.



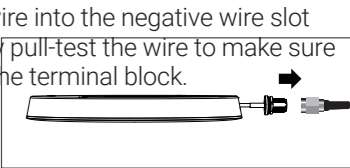
**STEP 6:** Connect the DC cable wires to the DC wire terminal block as shown in DROPPED CEILING INSTALL Steps 6 and 7. Then place the DC cable and antenna coax cable into the groove, being careful not to pull on the RF connector.



**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.



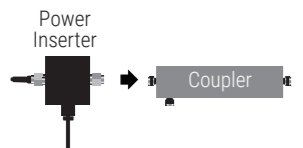
**STEP 8:** Connect the antenna coax cable to the signal source coax cable, being careful not to pull on the antenna coax cable connector.



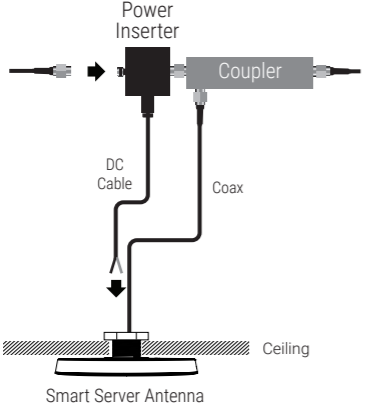
# Antenna Installation

## DROPPED CEILING INSTALL

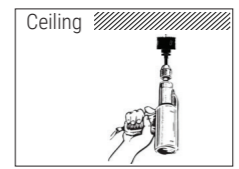
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**STEP 2:** Route the DC and coax cables to the **Smart Server Antenna**. Add a separate DC extension cable if needed to reach the desired **Smart Server Antenna** installation location.

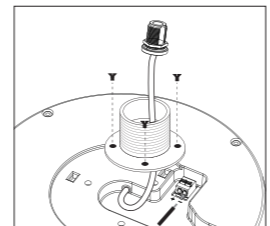


**STEP 3:** Drill a 2-inch (50 mm) diameter hole in the dropped ceiling at the desired **Smart Server Antenna** location.

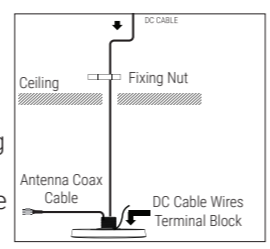


**NOTE:** If installing on a hard ceiling, go to Step 3 in the "HARD CEILING INSTALL" section.

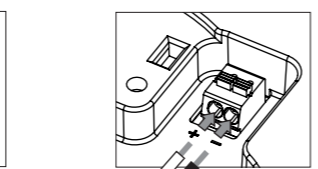
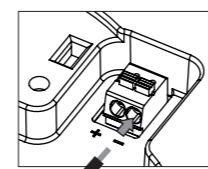
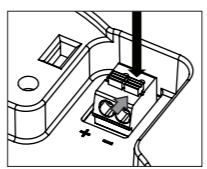
**STEP 4:** Feed the antenna coax cable up through the **Dropped Ceiling Mounting Plate** and attach the **Dropped Ceiling Mounting Plate** to the back of the **Smart Server Antenna** using the three **M3 Screws** and a 2 mm hex wrench.



**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.

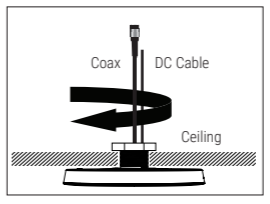


**STEP 6:** Depress the negative wire spring button on the antenna DC wire terminal block, insert the stripped negative wire into the slot, and release the button. Gently pull-test the wire to make sure that it is firmly connected.

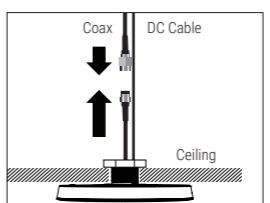


**STEP 7:** Repeat Step 6 for the positive wire.

**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.

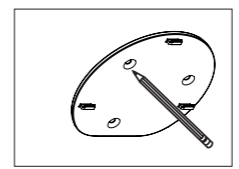


**STEP 9:** Connect the antenna coax cable to the signal source coax cable.

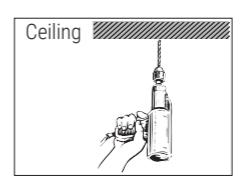


## HARD CEILING INSTALL

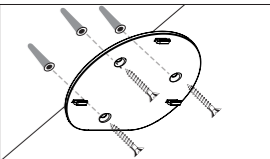
**STEP 3:** Place the **Hard Ceiling Mounting Plate** against the ceiling, oriented so the cables will exit the antenna in the desired direction along the flat edge of the plate. Then mark the three holes for the **Drywall Anchors**.



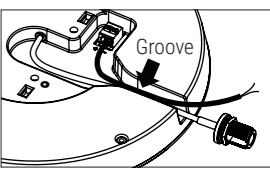
**STEP 4:** Drill the three holes for the supplied **Drywall Anchors**.



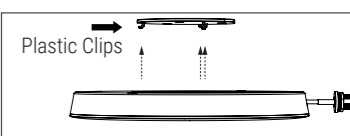
**STEP 5:** Insert the **Drywall Anchors** into the drilled holes and use the **Mounting Screws** to secure the **Hard Ceiling Mounting Plate** to the ceiling.



**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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