## Configure Management PC

To begin configuring Force 190:

1. Connect your PC to the 10/100 Mbit Data Port on the power supply.
2. Connect the Force 190 to the 10/100 Mbit Data + Power port on the power supply.
3. Configure your PC with an IP address in the subnet 192.168.0.0/24, excluding 192.168.0.1 and 192.168.0.2
4. Access the Force 190 by browsing to http://192.168.0.2 and log in with username admin and password admin.
5. Click Quick Start.

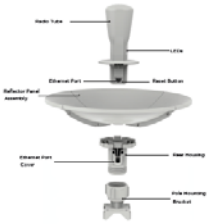
## Hardware Overview

**Power:** The LED will be Green, when the device is connected to a power source.

**Ethernet:** The LED will light steady Red, when an active connection is made.

**Signal:** The default values (from Bottom to Top) are shown above as Red, Yellow and Green LEDs indicating wireless signal strength.

## Hardware Overview




**Exploded View (Bottom Side)**

## Safety Notice

**Warning:**

To prevent loss of life or physical injury, observe the following safety guidelines. In no event shall Cambium Networks be liable for any injury or damage caused during the installation of Force 190 platform. Ensure that only qualified personnel install.

Only use attachments/accessories specified by the manufacturer.

**Electrical Safety Information**

1. Device complies with meets/exceeds local/for voltage, frequency, and current requirements. Connecting to a different power source than those specified may result in improper operation, damage to equipment or pose a fire hazard if the tolerances are not followed.
2. There are no serviceable parts inside this equipment. Service should be provided only by a qualified service technician.
3. This equipment is provided with a detachable power cord which has an integral safety ground wire intended for connection to a grounded safety outlet.
   a. Do not substitute the power cord with one that is not the provided approved type. Never use an adapter plug to connect to a 2-wire outlet as this will defeat the continuity of the grounding wire.
   b. The equipment requires the use of the ground wire as a part of the safety certification, modification or misuse can provide a shock hazard that can result in serious injury or death.
   c. Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.
   d. Protective earthing is provided by Listed AC adapter. Building installation shall provide appropriate short-circuit backup protection.
   e. Protective bonding must be installed in accordance with local national wiring rules and regulations.

## FCC Compliance

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This radio transmitter has been approved by FCC to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Antenna Information: Dual-band dual-polarized antennas, Gain 23dBi.

FC

## RoHS/WEEE Compliance

**Caring for the Environment: RoHS/WEEE**

European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

**CE Marking**

CE marking on this product represents the product is in compliance with all directives that are applicable to it.
Alert Sign (!) follows CE Marking.
Alert sign must be indicated if a restriction on use applied to the product and it must follow the CE marking.

CE

## Online Resources

User Guide and software downloads:
https://support.cambiumnetworks.com/files/force 190/

Support:
http://www.cambiumnetworks.com/support/

Contact us:
http://www.cambiumnetworks.com/support/contact-support/

Cambium Networks

# Force 190
## Quick Start Guide

## Introduction

The guide provides a quick installation process.

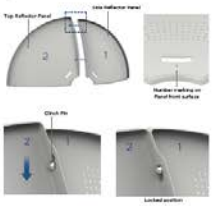
**Package Contents**

**Tools Required**

- Slotted Screwdriver or 5mm (3/16") Hex Driver

*Not all are included

## Step 1

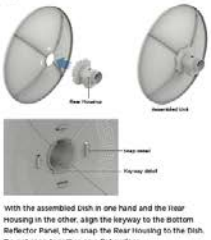



Assemble the Top Reflector Panel (marked 2) to the Side Reflector Panel (marked 1) by guiding the Clinch Pins in the slots.

## Step 2

Assemble the second Side Reflector Panel (marked 1) and the Bottom Reflector Panel (marked 3).

## Step 3




With the assembled Dish in one hand and the Rear Housing in the other, align the keyway to the Bottom Reflector Panel, then snap the Rear Housing to the Dish. Do not snap together on a flat surface.

## Step 4

Loose fit the Pole Mount Bracket onto the Rear Housing.

## Step 5

Insert the Radio Tube into the Rear Housing, note the key way orientation.

## Step 6

Insert the Hose Clamp through the Pole Mounting Bracket and around the Pole. Tighten the Hose Clamp.

Note the there are holes in the Pole Mounting Bracket to support flat surface mounting.

## Step 7

Remove the RJ45 Cover, insert the RJ45 Cable into the Ethernet Port, Replace the RJ45 Cover.

Align the Dish, and tighten the Nut of the Pole Mounting Bracket.

Cambium Networks
Community Forum

**JOIN THE CONVERSATION**
community.cambiumnetworks.com