

**DISRUPTIVE  
TECHNOLOGIES**

For support and more information about our products, visit: [d21s.com/support](https://d21s.com/support)

**Disruptive Technologies Research AS**  
Strandveien 17, 1366 Lysaker, Norway

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Designed in Norway,  
Assembled in Germany.

## Safety & Use Manual

### Please read this guide before attempting to operate the product

Failure to follow these instructions may result in an increased risk of personal injury or damage to property, including through fire, electrical shock, burns or suffocation.

Disruptive Technologies Research AS shall not be liable for damage caused where the product owner has failed to follow the instructions set out in this guide.

No changes shall be made to the equipment without the manufacturer's permission as this may void the user's authority to operate the equipment.

### Warnings

- Do not use outdoors.
- Use in a dry environment.
- Do not plug in a damaged device.
- Do not remove screws or open device.
- The mounting bracket must be secured with screws if installed above 2 meters.
- The Ethernet port must only be connected to a LAN within the same mains ring.
- Unplug the power supply unit from the mains if the device is not in use.

### Cloud Connector EU

Frequency Band 15M 868 MHz  
Transmit Power < 100 mW

Cellular Version:

| LTE Cat-1  
| LTE FDD: B1/B3/B7/B8/B20/B28  
| Output Power: LTE Power Class 3 (23 dBm ± 2 dB)

**CE:** Hereby, Disruptive Technologies Research AS declares that the radio equipment model 102505 and model 102673 are in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.d21s.com/doc](https://www.d21s.com/doc)

**UK:** Hereby, Disruptive Technologies Research AS, declares that the radio equipment model 102505 and model 102673 are in compliance with UK SI 2017, No 1206: Radio Equipment Regulations. The full text of the UK DoC can be found at the following web address: [www.d21s.com/doc](https://www.d21s.com/doc)

### Cloud Connector US

Frequency Band 15M 915 MHz  
Transmit Power < 100 mW

Cellular Version:

| LTE Cat-M1  
| LTE FDD: B2/B4/B5/B12/B13/B25/B26/B66/B85  
| Output Power: LTE Power Class 5 (21 dBm ± 1.5 dB)

Compliance statement: [www.d21s.com/doc](https://www.d21s.com/doc)

**FCC:** 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 device complies with FCC radiation exposure limits for an uncontrolled environment. This device shall be installed and operated with a minimum distance of 20 cm between users or bystanders and the device.

**ISED:** This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference
- (2) This device must accept any interference, including interference that may cause undesired operation of the device

This equipment is exempt from the routine RF exposure evaluation requirements of RSS-102. This equipment should be installed and operated with a minimum distance of 20 cm between the antenna and the user or bystanders.

## Getting Started

Cloud Connectors relay data from wireless sensors into the DT cloud infrastructure.

### 1 Connecting to Power

Use the provided power supply to power the Cloud Connector.

### 2 Connecting to the Cloud

If the device has a cellular modem it will automatically start connecting to the cloud service. If not, plug in an ethernet cable to establish a connection.

### 3 Observe the Status Indicator



#### Pulsing White

Connecting / updating, this can take up to a few minutes.



#### Solid White

Connected to the Internet and fully operational.



#### Solid Red

Not connected, visit [d21s.com/help](http://d21s.com/help) for troubleshooting.

## Operating Conditions

Temperature: 0 to 50°C (32 to 122°F)

Humidity: 10 to 90%RH (non-condensing)

## Power Supply

External DC, 5V 2A

Only use a power supply compliant to EN or IEC 62368-1:2014 or later with E51 and PS2 or PS1 classification

## Power Consumption

Average < 3W

## Construction

IP20, Polycarbonate (PC)

## Symbols



Conformité Européenne  
(Valid for EU version)



Waste of Electrical and  
Electronic Equipment



UK Conformity Assessed  
(Valid for EU version)



Barrel Jack Polarity  
Center Positive



Federal Communications  
Commission  
(Valid for US version)



UL Certified  
(Valid for US version)

## Wall Installation



Secure the mounting bracket to the wall with screws.

If mounted below 2 meters, the adhesive can be used alone.



The Cloud Connector attaches to the bracket with a friction bayonet mount.



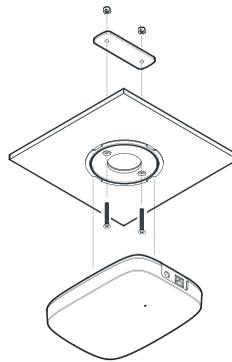
Align the slots and mount the Cloud Connector onto the bracket.



Turn the Cloud Connector 45° degrees to secure it in place.

Connect the power cable (and ethernet cable for ethernet version).

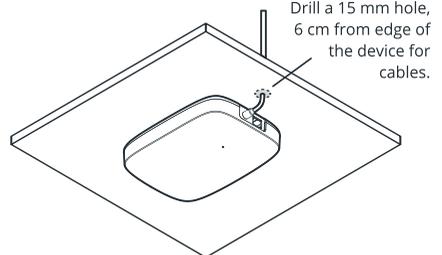
## Drop Ceiling Installation



Remove the tile from the ceiling to perform the installation.

The mounting bracket is attached to the tile using the provided backing plate with two screws and nuts.

The Cloud Connector attaches to the bracket with a friction bayonet mount.



Drill a 15 mm hole, 6 cm from edge of the device for cables.