

Control iD

iDConnect – Quickstart Guide

Thank you for acquiring iDConnect! The latest version of this guide is available at: <https://www.controlid.com.br/userguide/idconnect.pdf>

Material Needed

For installing your iDConnect, the following items are needed: an Ethernet network cable and a 5V power supply of at least 1A (the power supply is only needed if the user does not connect the product to a Control iD T&A device (Time and Attendance device) or access controller with USB port).

For the model with a 4G modem, a mobile telephone provider Nano SIM card compatible with CAT-M1 (sold separately) is also needed. A data plan is needed to connect to the Internet via 4G.

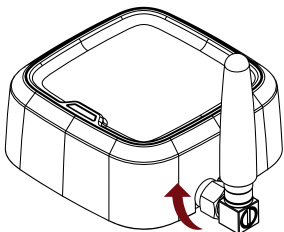
Installation

For the correct operation of your iDConnect, the following steps must be taken:

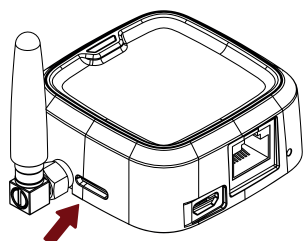
- Installation in a place without direct sunlight exposure and protected from rain and other natural phenomena.
- Install your iDConnect in a central place, thus improving the Wi-Fi signal coverage area.
- Keep the Wi-Fi modem away from objects that might obstruct the signal, such as thick walls, large furniture, home appliances and metal objects.
- Installing iDConnect in a high position, such as a shelf or above a closet, can improve the signal coverage and range. Avoid placing it directly on the floor, since this can limit the signal propagation.
- For the 4G modem model, please certify that it is in a place with a signal coverage of the mobile telephone provider.
- Before fixing the equipment, make sure that all connection cables were correctly passed to the equipment.

The equipment installation is very simple. For equipment with a 4G modem included, firstly follow the steps below:

1. Check whether the device's external antenna is secured. Make sure that it is properly fixed and screwed to the connector.

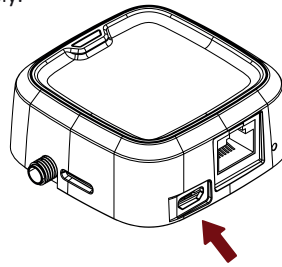


2. Add the SIM card in the equipment's proper input.



Finally, for all devices, including equipment with and without a 4G modem, follow the steps below:

1. Connect the equipment to a 5V power supply of at least 1A through the device's Micro-USB input. See "Interconnection Diagrams" for how iDConnect can be powered by the T&A Device, an Access Controller or a dedicated power supply.



2. Connect iDConnect via RJ45 Ethernet network cable to the T&A or Access Controller. See "Interconnection Diagrams" for how iDConnect can be connected via Ethernet to the T&A device (Time and Attendance device) or Access Controller.
3. When energizing iDConnect, wait a few moments and confirm the operation through the indication of the equipment's status LED. If you have any questions, consult the tables "System Events" and "Mode of Operation".

Connecting your Equipment to iDConnect

The setup of all parameters of your new iDConnect can be carried out through a standard Internet browser (provided that iDConnect is connected to an Ethernet network).

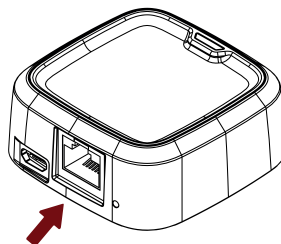
Assign the following network setups in the T&A device or iDface for connection to iDConnect: IP: 192.168.0.132 / Mask: 255.255.255.0 / Gateway: 192.168.0.131.

For iDConnect 4GWi-Fi, please certify that you have added a SIM card with a valid data plan before turning on the equipment. For Vivo or Claro SIM cards without PIN lock, the standard connection is automatic, and as soon as the equipment is connected to the provider, the LED will be blinking as "State 3" of the table "Mode of Operation 1".

For iDConnect Wi-Fi, follow the instructions of the next section to access the equipment's Web interface to change either the mode of operation or the wireless network access properties.

Web Setup Interface

Initially, connect the equipment directly to a PC through a network cable (cross or straight), by using the RJ45 network cable input present in the device.



Then, set up a fixed IP in your machine in the network 192.168.0.xxx (where xxx is different from 131 so that there is no IP conflict) with a mask 255.255.255.0, or set up to receive an IP via

DHCP protocol of the DHCP Server present in the iDConnect.

To access the equipment's setup screen, open an Internet browser and type the following URL:

<http://192.168.0.131>

The login screen will appear. By standard, access credentials are as follows:

- Username: **admin**
- Password: **<SERIAL>**

Where <SERIAL> is the equipment's serial code, which information can be viewed in the iDConnect box or body. Example of serial code: OR0200/000001.

⚠ Through the web interface, it is possible to change the equipment's IP. If you change this parameter, remember to write down the new value so you can connect again to the product.

After the first access, the browser will be automatically redirected to a new mandatory login change page. In this page, the customer will have the opportunity to set up a username and a password chosen by him/her. However, note that the password must not be considered weak, which means that it must have at least 8 characters and include both letters and numbers.

Modes of Operation

iDConnect offers three different modes of operation to meet different cases of use. Note that the factory default mode for iDConnect 4GWIFI model is Mode 1. For the iDConnect WIFI model, it is Mode 3. Next, the three modes with their respective characteristics are described:

In Mode 1, the equipment operates as a 4G modem, allowing Internet connection through a telephone provider. The signal received is shared with devices connected both via Ethernet cable and Wi-Fi. Note that this mode of operation is available only to iDConnect with a 4G modem.

In Mode 2, the equipment is connected to a local Wi-Fi network to access the Internet. The signal received is shared with a device connected through an Ethernet connection.

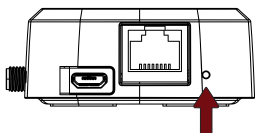
In Mode 3, the equipment operates as a local network switch. Thus, devices can connect to the same local network, either via Ethernet or Wi-Fi; however, they do not have direct access to the Internet.

To change the mode of operation, accessing the setup interface through a Web interface is needed, following the steps mentioned above. After accessing the interface, click on the side menu "Setup". In the loaded setup page, find and click on the menu "Mode of Operation". When opening the modes of operation menu, select the desired mode and click the "Save" button.

Note that changing the mode of operation will result in the restoration of some of the network setups and will require the device to be restarted. To confirm your choice, press "OK".

Reboot/reset button

Through this button, it is possible to restart or reset the device. The button is located internally in the hole located near the Ethernet network cable input, as shown in the figure below:



To restart iDConnect, just press and release the reboot/reset button by using a tweezer. Wait a few seconds and follow-up the restart through the LED status.

To reset to the factory settings, press the button for 5 seconds; after that, the equipment will return to the factory settings and all data set will be lost.

Status LED

Additional information

For an easy interpretation of the iDConnect operational status, the device comes with a colored LED. Through the colors and behavior of the LED, it is possible to interpret the device's operational status, such as error states, idle states, update states, among others.

The LED's interpretation changes according to the equipment's mode of operation. When turning on the equipment, the LED will be Green. Then, according to the operational status of the Mode of Operation selected, the LED will take on the indicative color.

Regardless of the Mode of Operation, iDConnect colored LED will display the colors presented in the table "System Events" under the respective equipment events.

Other LED statuses on the different modes of operation are described in the following three tables.

iDConnect Wi-Fi/Ethernet Modem was ratified by Anatel, in accordance with the regulatory procedures, and meets the technical requirements established.

This product is not proper for using in home environments, since it may cause electromagnetic interferences and require the user to take the measures needed to minimize such interferences. For more information, visit Anatel's official website: <https://www.gov.br/anatel>

System Events

Event	LED
Startup	Constant Green
System failure	Constant Red
No Internet	Green/Red
Firmware update in progress	Blinking White
Failure in the firmware update	White/Red

Mode of Operation 1

Status	LED	Modem	Wi-Fi
1	Blinking Red and Blue	No Chip No setup	-
2	Blinking Red	-	Failure
3	Blinking Green	Connected	Not enabled or OK
4	Green/Red	No Internet	-
5	Blinking Yellow	Connecting	Not enabled or OK

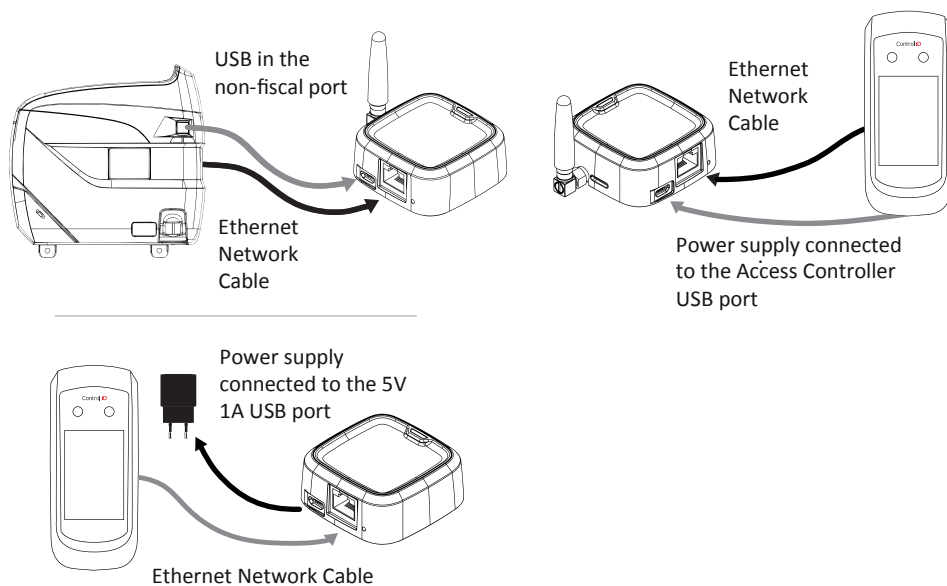
Mode of Operation 2

Status	LED	Wi-Fi
1	Blinking Red	Failure
2	Blinking Blue	No setup
3	Blinking Yellow	Connecting
4	Blinking Green	Connected

Mode of Operation 3

Status	LED	Ethernet	Wi-Fi
1	Flashing Red	-	Failure
2	Flashing Yellow	Disconnected cable	OK
3	Flashing Green	Connected cable	OK

Interconnection Diagrams



"This equipment is not entitled to protection against prejudicial interference and must not cause interference in systems duly authorized"