TECO®

TECOnnect WiFi Module

Setup and Installation Guide

TECO® US

Purchased From	
Date Purchased	Date Installed
Model Number	Serial Number

Notes ....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

TECO®

TECOnnect WiFi Module

Table of Contents

About This Manual

This manual covers setup, basic operation, and reconfiguration of the TECOnnect WiFi Module under normal operating conditions. For more detailed information, please contact us.

Contact US

North American Distributor
TECO US
Service: service@tecous.com
Sales: sales @tecous.com
www.tecous.com

Technical Characteristics

TECOnnect WiFi Module

Model	TECOnnect
Power Supply	5V DC
Consumption	0.1A
Weight	
Dimensions	90x70x35 (h) mm
Other	no. 4 magnets to fasten to metal panel

Requirements:

- Smartphone that is equipped with either:
  - iOS 8.0 (or higher)
  - Android 4.1 (or higher)
- WiFi Network
  - 2.4GHz Frequency
  - WPA2 Security Method

> ⚠ **NOTE:** *The TECOnnect WiFi Module can be exclusively used with TECO WiFi enabled devices.*

Getting Started

You Will Need:

TECOnnect WiFi Module

WiFi-Enabled TK or HY model TECO Chiller

TECOnnect Mobile App

Installing Your Device

TECOnnect WiFi Module

① Connect the included power supply cord to your TECOnnect WiFi module and then plug in the power supply to your wall outlet.

② Connect the module's grey network cable into your WiFi-enabled Teco chiller.

> ⚠ **NOTE:** *The WiFi module is magnetic and will easily attach to the metal side of your chiller.*

③ Ensure that your chiller is powered on. A yellow LED light on the TECOnnect module will indicate a correct connection between both the chiller and the module.

You are now ready to install the TECOnnect App.

> ⚠ **NOTE:** *If the yellow LED does not light up, the grey network cable between the TECOnnect WiFi Module and the chiller is not well connected and must be checked. Ensure that both the chiller and the WiFi module are connected to a power supply.*
>
> *If the chiller interface shows "ER," push the "SET" button on the chiller's controller and the "ER" message will disappear.*
>
> *Make sure you are in range of your WiFi router so the device can access the internet.*
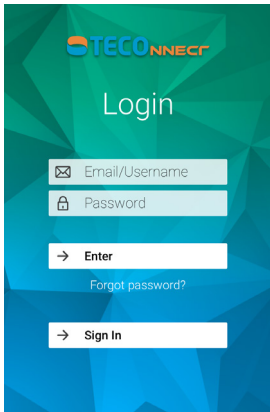
Setting Up Your TECOnnect App

iOS Setup
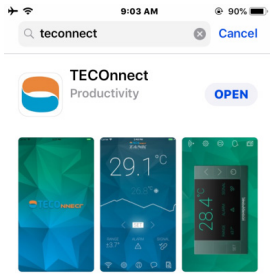
① Open your smartphone's App Store and search for the TECOnnect app.

Download and install the app on your mobile device.

Once paired with your WiFi module, you will be able to wirelessly monitor and control your chiller from the comfort of your smartphone.

② Launch the TECOnnect app once it has fully completed its download. Here, you will either register for a new account or log in to your existing account.

To create a new account, select the "Sign In" button at the bottom of the interface.

If you have an existing account, fill in your account information in the spaces provided and select "Enter."
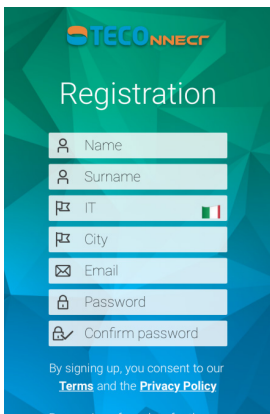
③ Next, fill in the registration information using alphanumeric symbols.

The email address you provide will be sent a confirmation email. You will need to confirm your email address in order to complete the registration process.

④ Once you have filled in your information and acknowledged the terms & conditions, select "Proceed"

④ At this time, exit the app to confirm your email. Once you have confirmed, relaunch the TECOnnect app to finish the module setup.

⚠ **NOTE:** *Check your spam and junk folders if you do not see the confirmation email in your inbox.*
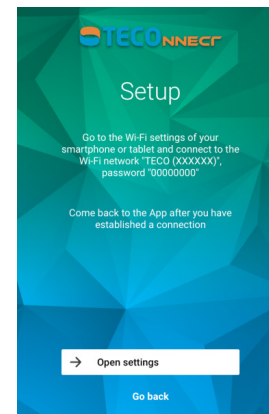
Connecting Your Chiller to the App

Page 1 of 3
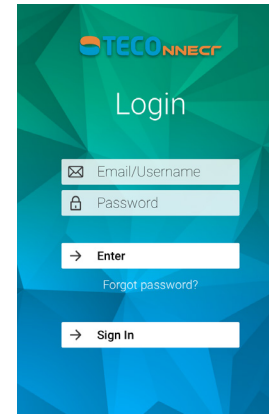
① Login to your account with your TECOnnect email address and password.

Select "Enter" once you have filled in your credentials.
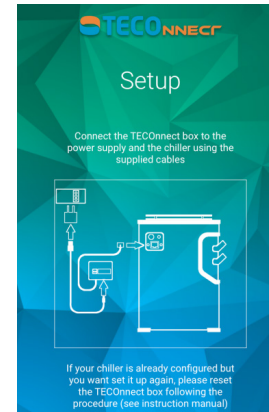
② Verify that your TECOnnect module and chiller are configured correctly and connected as pictured.
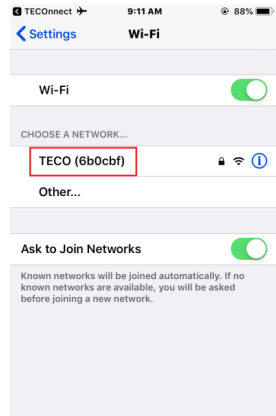
Select "Proceed" to continue to the next step.

③ After verifying that your connection is correct, the app will ask to launch your Settings app in order to set the wireless connection.

Select "Open settings."

④ In your WiFi settings, select to connect to the wireless option TECO(XXXXXX).

The password for TECO(XXXXXX) is **00000000** *(Eight zeroes).*

NOTE: *If you cannot find the TECO(XXXXXX) wireless option:*
- *Disconnect the module's power supply and power it again.*
- *Turn your smartphone's WiFi off, wait a few seconds, then turn it back on.*
- *Reset your TECOnnect WiFi Module as a last option (see page 11).*
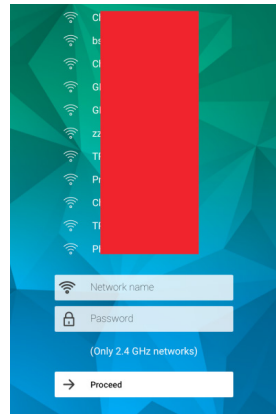
⑤ Once connected, return to the TECOnnect app.

⑥ In the TECOnnect app, select your WiFi router from the list and enter its password to connect.

Select "Proceed" to continue to the next step.
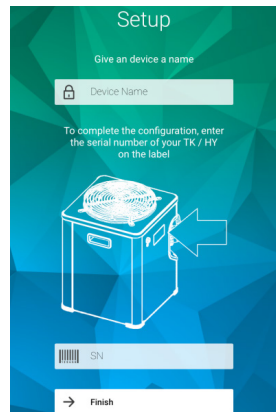
⑦ Now, name your device and then enter your chiller's serial number, from the manufacturer's label, found on the back of your machine.

Select "Finish" when you have done this.
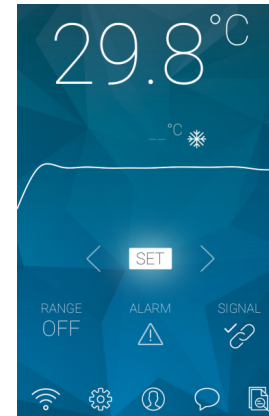
Allow a few seconds for your chiller to connect.

NOTE: *Make sure to use **capital letters** when entering your chiller's serial number.*
What may appear as a lowercase L or a number 1 is the capital letter 'i'.

TECOnnect Vertical Interface   *TECOnnect Horizontal Interface*

NOTE: *If unable to display, unlock your phone's rotation lock.*

⑧ You are now successfully connected to your chiller via your smartphone.

From the comfort of your device:
- Remotely monitor your chiller
- Receive temperature notifications
- Set alarm parameters
- Monitor your chiller's performance data
- Easily toggle between °F and °C
- Reset your chiller if necessary

TECOnnect App Menu Buttons

Icon Meaning

Setup	Settings	User Account	Contact	TECO
Add new devices or reconfigure your device	Toggle through and adjust your chiller parameters	Access your personal account data	Find TECO's contact information	Visit TECO's website

LED Status, Alarms, & Signal Alerts

LEDs

⊘	**Green LED Off**	Module not connected
☀	**Green LED Flashing**	Module connecting to WiFi
●	**Green LED On**	Module connected internet
⊘	**Yellow LED Off**	No connection to chiller
●	**Yellow LED On**	Connection to chiller present
● ●	**Perfect Connection**	Connected properly — no problem
✸	**Red LED Flashing**	Detect in progress — the chiller is trying to determine if the module is connected
●	**Red LED On**	Module is programed to a different chiller than the one it was orignally set — may need reset
☀ ✸	**Red LED & Green LED Flashing Simultaneously**	Module configuration phase
☀ ✸	**Red LED & Green LED Flashing Alternatively**	Reset complete

Alarms

`AL.`		The temperature is outside the user-defined set range
`P1.`	`P2.`	`H.A.`
`L.A.`	`H.A.2`	`L.A.2`	Problem with chiller. See chiller manual for instructions to solve problem
`EE.`		Thermostat EEPROM error

Signal Alerts

|	
SIGNAL OK	TECOnnect is connected and properly working
NO SIGNAL	TECOnnect is not communicating with chiller • Make sure the chiller is powered on • Ensure the TECOnnect cable is connected to the chiller • Check to see if something is pressing the keys of the chiller thermostat. When the thermostat is pressed for 20+ seconds, communication between the chiller and module is suspended. Communication will automatically reestablish.
NO WIFI	TECOnnect is not connected to the internet - Check to see if the module is connected to its power supply

Reset & Reconfigure TECOnnect Module

Reset

① Unplug the TECOnnect from its power supply.

While unplugged, locate the reset button on the back label of the module.

> ⚠ **NOTE:** *You will need a paper clip or similar item in order to press the module's reset button.*

② Press and hold the reset button.

While keeping the reset button held, reconnect the module to its power supply.

Release the reset button once the green & red LEDs flash alternatively.

The TECOnnect module is successfully reset.

Reconfigure TECOnnect
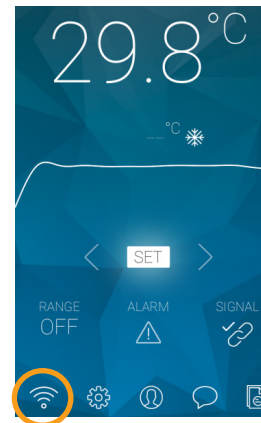
> ⚠ **NOTE:** *If the module must be reconfigured, e.g. replacing router or modifying WiFi, proceed to the steps below.*

① To reconfigure, launch the TECOnnect app and select the "Setup" icon from the main menu.
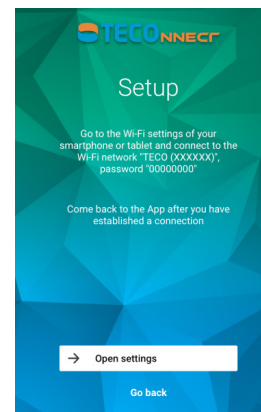
② Next, you will be prompted to setup your TECOnnect and chiller.

See *Step 3 of Connecting Your Chiller to the App*, on *page 7*, to proceed in reconfiguring your devices.

TECO® US

For All Your Heating and Cooling Needs

tecous.com • sales@tecous.com