

CirrusSense™ **Cellular Gateway** **TDWLB-CG** **Quick Start Guide**

Wireless Remote Monitoring of:
TDWLB, TDWLB-DL, TDWLB-LC,
TDWLB5, and TDWLB5-DL



SERIES: TDWLB-CG



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FREE Technical Support – Call 513.583.9491

CIRRUSSENSE™ SUBSCRIPTIONS

A *CirrusSense*™ TDWLB-CG subscription is required for your gateway to communicate with the *CirrusSense*™ cloud.

A *CirrusSense*™ cloud account and a Transducers Direct store account are required to activate your TDWLB-CG subscription. Below we will cover setting up both accounts and purchasing one or more subscriptions.

Setup Transducers Direct store account

1. Go to transducersdirect.com/my-account
2. Login to your existing account or create a new account

Purchase TDWLB-CG subscription(s)

1. Go to transducersdirect.com/products/subscriptions/cirrusense-tdwlb-cg-subscription
2. Choose your desired subscription tier
3. Choose the quantity of subscriptions. One subscription activates one gateway
4. Add to cart and checkout

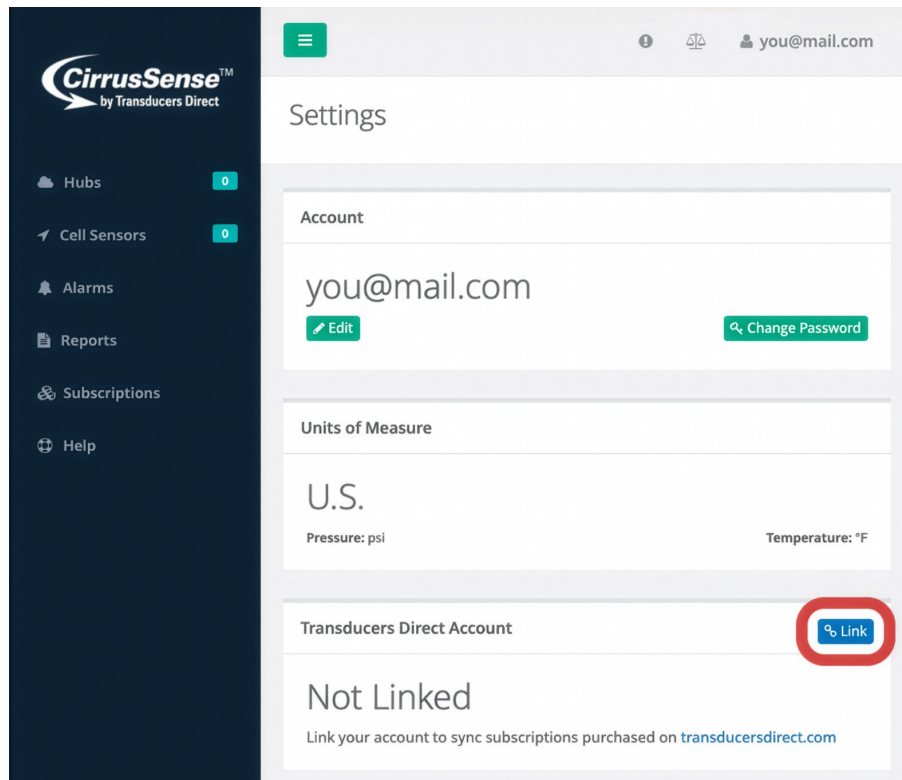
Setup *CirrusSense*™ cloud account

1. Go to cloud.transducersdirect.com
2. First time users click on **Create an Account** and set up your account name, email and password.
3. Login to the portal using your account email and password.

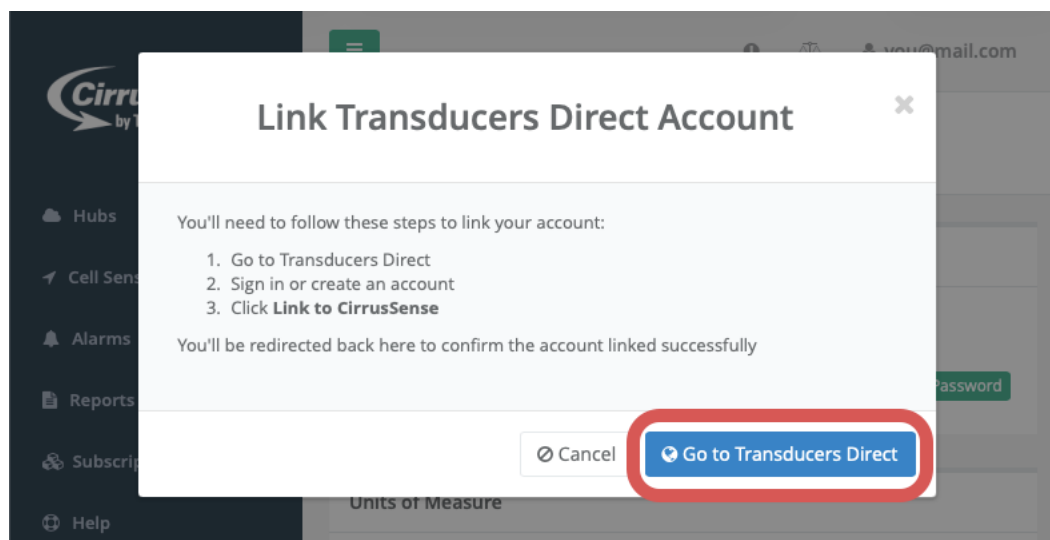
LINK ACCOUNTS**Link your *CirrusSense*™ and Transducers Direct accounts**

Now that you have both a *CirrusSense*™ cloud and Transducers Direct store account, you need to the link the two together. This will allow CirrusSense to sync the subscriptions you purchased.

1. Go to cloud.transducersdirect.com/Settings
2. In the Transducers Direct Account section, click or tap **Link**



3. Click or tap **Go to Transducers Direct** to continue setup on the Transducers Direct store website



LINK ACCOUNTS

- Sign in on the Transducers Direct store website. You must use the same account you purchased the subscriptions with

Link To CirrusSense

You must sign in or create an account before linking to CirrusSense

Login

Login to your Transducers Direct account

Register

You'll be taken to a different page to register. Come back here after registering and refresh the page to continue.

Login

[Lost password?](#)

- Click or tap **Link to CirrusSense™** to create the link between the two accounts

Link To CirrusSense

When you click "Link to CirrusSense" any wireless subscriptions purchased on this Transducers Direct account will be synced to your CirrusSense account.

Your Transducers Direct account can only be linked to one CirrusSense account. Once linked, you can only unlink from CirrusSense.

Link to CirrusSense

- You will be directed back to the *CirrusSense™* web portal and see **Linked**

Transducers Direct Account

Unlink

Linked ✓

Your subscriptions from Transducers Direct are synced with CirrusSense.

Your subscriptions will sync immediately and can be found on the **Subscriptions** page (accessed from the side bar on a computer or hamburger menu on a phone).

Note: Individual subscriptions of the same type are pooled together on *CirrusSense™*. If you purchase two "Power" subscriptions on Transducers Direct, you'll have a "Power subscription pool" with 2 max allocations on *CirrusSense™*.

GATEWAY SETUP**Power your gateway**

Before setting up your gateway, you must connect it to a power source. A power supply is included with every gateway. For custom power supplies please refer to the TDWLB-CG datasheet for wiring and power requirements.

1. Connect the M12 power cable to the **PWR** port on your TDWLB-CG
2. Once fully powered up and connected; the lights above the PWR port will flash green and blue, the lights on the side will both flash green

Add Gateway to your *CirrusSense*[™] Account

Adding a gateway to your *CirrusSense*[™] account requires use of the *CirrusSense*[™] mobile app.

1. Download the *CirrusSense*[™] app from the [Apple App Store](#) or [Google Play Store](#)
2. Open the *CirrusSense*[™] app
3. Go to **Settings** and tap **Login**
4. Input your *CirrusSense*[™] credentials
5. Go to the **Home** screen (Android: go back from settings. iOS: tap the Home tab)
6. Tap the **Plus (+)** in the bottom right
7. Choose **Add Hub**
8. Choose **Add Gateway**
9. Scan the QR code on the gateway label OR input the serial number
10. The gateway will now show in the list



Download the FREE *CirrusSense*[™] App
from the Apple App Store or Google Play

Operating System Requirements:
iOS 14.0 + / Android 8.0 +

FREE Technical Support – Call 513.583.9491

GATEWAY SETUP**Pair Bluetooth sensor(s) to your Gateway**

All TDWLB transducers (besides -LCC and -WCLC) are compatible with your TDWLB-CG. Pairing Bluetooth sensors requires use of the *CirrusSense*[™] mobile app.

Your Bluetooth transducer must be powered on, in watchlist mode, and not connected to a mobile phone for the gateway to receive its data. Otherwise the sensor will appear offline

Enable watchlist on your Bluetooth sensor

New transducers ship with watchlist mode disabled. Your sensor must be in watchlist mode for the gateway to see it.

1. Open the *CirrusSense*[™] app
2. Connect to the sensor
3. Go to sensor **Details** (tap the sensor from the home screen)
4. Go to sensor **Settings** (tap the settings cog in the top right)
5. Scroll to the bottom and toggle watchlist enabled to **On**
6. Tap the **Save** icon in the top right

Pair Bluetooth sensor(s)

1. Open the CirrusSense app
2. Choose your gateway in the list
3. If the gateway is not assigned to a subscription, do so now by tapping **Add to Pool**. A subscription is required to assign Bluetooth sensors
4. Tap **Pair Sensor** in the bottom right
5. Pair the sensor by scanning the QR code on the label (TDWLB5 only) OR by scanning for nearby sensors

GATEWAY SETUP

Connect wired sensor(s) to your Gateway

Your gateway supports up to two 4-20mA current output pressure transducers.

The transducers must be connected as a 2-wire current loop. You'll need an M12 straight-through cable. Transducers Direct supplies this cable, or you can make one. Refer to the TDWLB-CG datasheet for wiring requirements.

1. Connect one end of the M12 straight-through cable to either the **A** or **B** port on your gateway
2. Connect the other end of the M12 straight-through cable to your transducer

Configure wired sensor(s)

The two wired inputs are disabled when you receive your gateway. You'll need to enable and configure the inputs to collect data. This can be done on either the mobile app or web portal.

Configure using *CirrusSense*™ mobile app

1. Open the *CirrusSense*™ app
2. Choose your gateway in the list
3. Choose the input you want to configure
4. Toggle the enabled switch to enable/disable the input
5. Input the minimum and maximum values your sensor measures
6. Tap the save button in the top right

Configure using *CirrusSense*™ web portal

1. Go to cloud.transducersdirect.com/Hubs
2. Choose your gateway in the list
3. Choose the input you want to configure
4. Click or tap **Edit**
5. Toggle the enabled switch to enable/disable the input
6. Input the minimum and maximum values your sensor measures
7. Click or tap **Save**

GATEWAY SETUP

Access your data

Now you have purchased a subscription, paired the gateway to your account, and paired sensor(s) to your gateway. **You're ready for remote monitoring!**

The *CirrusSense*[™] mobile app will show the most recent reading from each sensor paired to the gateway.

The *CirrusSense*[™] web portal will show all logged data from each sensor paired to the gateway. The web portal also allows you to manage alarms and export bulk data.

