



Box Contents

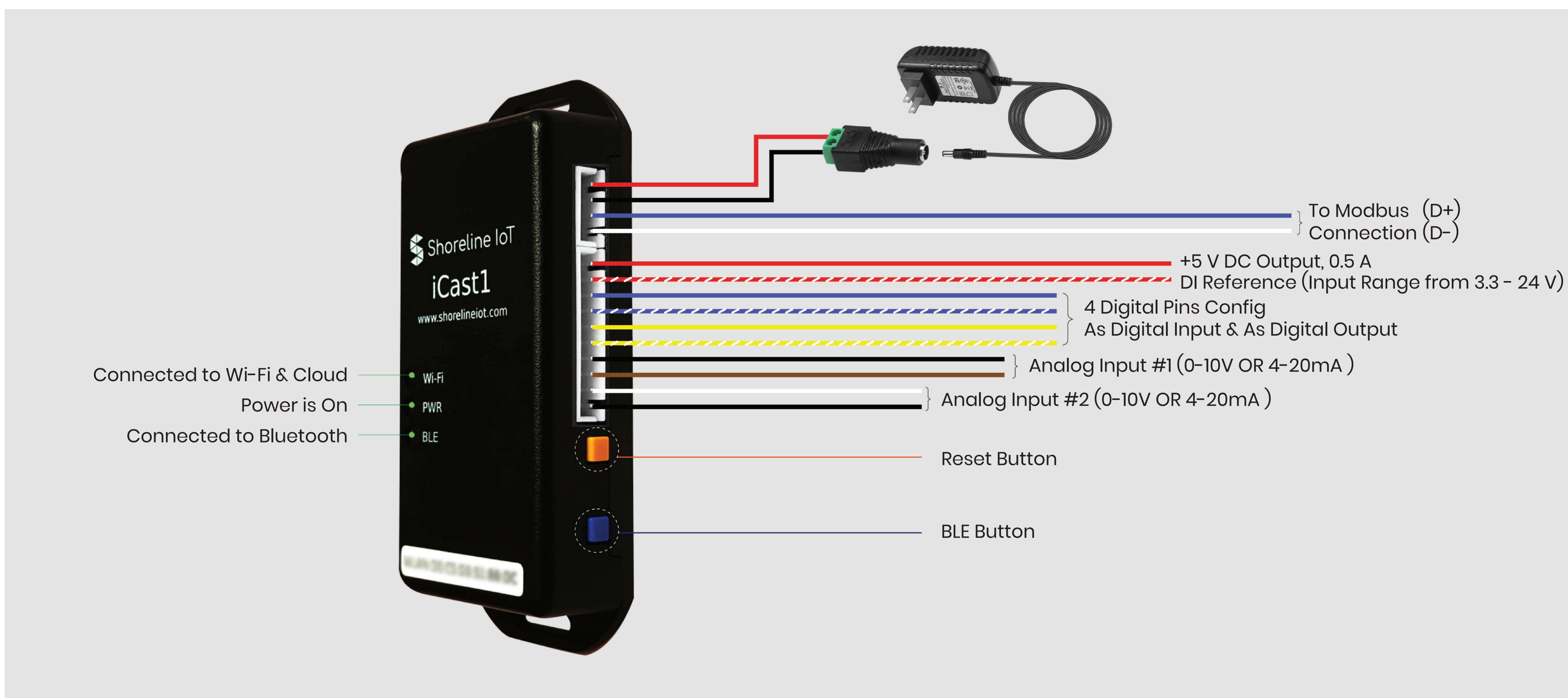
1. iCast1 Wireless IoT Bridge
2. 4-pin connector for 12-24V DC power and RS-485 with 24-inch pigtail
3. 10-pin connector for digital I/O and analog inputs with 24-inch pigtail
4. 12V, 600mA US plug power adapter
5. DC plug terminal connector
6. Reference card



What more you need to get started?

- A 2.4 GHz Wi-Fi access point with active internet connection.
- A Modbus RTU slave device or digital I/O or analog inputs to be monitored.
- An iOS or Android device with Bluetooth (only used for initial device provisioning)

Setup the iCast1 unit



- Device Power: Connect 12V power adapter from the package to female DC plug using the 4-pin cable assembly (Red –Positive, Black – Negative)
- Note:** Device can also be powered from MODBUS slave device with in-built power output (12-24 V, 10W). In this case, the 12V power adapter provided with the package need not be used.
- Connect MODBUS slave RTU, using the blue and white wires from the 4-pin cable assembly (Blue: D+, White: D-). The external Modbus RTU device should share the same 0V supply reference as this device or should have an isolated RS-485 communications port.

- Connect Analog sensor, using wires from the 10-pin cable assembly. iCast1 supports two Analog inputs (AI1 : Brown, AI2 : White and AI GND : Black)
- Connect Digital IO's using wires of the 10-pin cable assembly. iCast1 supports four Digital IO's. (DIO1 : Blue, DIO2 : Blue-White, DIO3 : Yellow, DIO4 : Yellow-White, DIO GND : Black)
- Wiring guidelines : Refer to the user manual and follow all the wiring instructions carefully.

 **WARNING :** Disconnect power when wiring connections to the iCast1 unit.

Mount iCast1 Wireless IoT Bridge

- Mount the iCast1 unit indoors only.
- Attach it to a flat surface using the two built-in mounting tabs. There are no restrictions on mounting orientation but avoid mounting inside a metal enclosure.
- Provide a clearance of at least 20mm (0.79 inches) above, below and in front of the device for antenna clearance.
- Optional DIN Rail mount can be purchased separately online. Phoenix Contact USA 1201578.



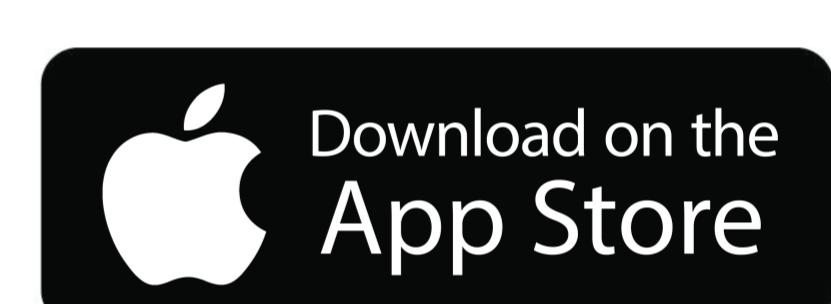
Optional

Download Mobile App and Sign Up

- Open the mobile app and create your account. (30 days free trial)
- Sign up using valid email address and password.
- You will have to accept the “Terms and Conditions” to create an account.
- In order to provision and activate iCast1 device a monthly cloud subscription is required.
- Select the desired pricing plan and enter your credit card details.
- Click the email verification link that will be sent to your email address.



<https://play.google.com/store/apps/details?id=com.shorelineiot.shorelineiotcloud>



<https://apps.apple.com/us/app/shoreline-iot-cloud/id1441391302>

Create a Device Profile using the Web App

- For iCast1 to interact with connected sensors, the user needs to create a device profile describing the sensors' attributes.
- A device profile is the configuration which defines the sensors attached to iCast1 that needs to be monitored and logged.
- You can create a Device Profile from your account at <https://cloud.shorelineiot.com>, or you can use the default profile for now and create a profile after the new iCast1 device is connected to your account.
- Profile creation is a one-time activity and the same profile can be applied to multiple devices.

Connect iCast1 to the Shoreline Cloud

- In order to provision iCast1, you need physical access to iCast1 and the downloaded mobile app to establish a bluetooth connection.
- In the Mobile App, select “Add device” to start registration and provisioning process.
- Make sure the device is powered ON and the PWR LED on the device is SOLID GREEN.
- Follow the steps provided in the Mobile App to complete the process.

For more detailed information refer to our user manual available on <https://cloud.shorelineiot.com/help/userguide>