



Pocket Portal IIoT Bridge

Quick Start Guide

THIS GUIDE IS INTENDED TO HELP AN EXPERIENCED USER QUICKLY SET UP THE DEVICE AND SERVICE.
For a more detailed walkthrough and relevant safety guidelines, please see the full User Manual, downloadable from www.automationdirect.com/pn/sepb100.



What's in the Box?

- SE-PB100 Pocket Portal IIoT Bridge
- 4-pin connector for 12-24VDC power and RS-485 with 24-inch pigtail
- 10-pin connector for digital I/O and analog inputs with 24-inch pigtail

What Else Do You Need to Get Started?

- A 12–24VDC power source (10W minimum)
- An available 2.4 GHz Wi-Fi access point with connection to the Internet
- 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 the initial setup)

A. Mount the Pocket Portal IIoT Bridge

- Mount the Pocket Portal indoors only.
- Attach it to a flat surface using the two built-in mounting tabs. There are no restrictions on mounting orientation. A DIN-rail mounting adapter is available separately (AutomationDirect Part# [DRA-2B](#)).
- Provide a clearance of at least 20mm [0.79 inches] above, below and in front of the device, for natural convection cooling.

B. Wire the Pocket Portal IIoT Bridge—refer to the User Manual for wiring circuit details



WARNING: Do not terminate communication leads while the plug-in connector is connected to a powered device.

1. Power
 - a. Can be powered from the same 12 to 24 VDC source that is used to power your other devices. Recommended DC power supplies are AutomationDirect.com part number [PSL-12-010](#) or [PSL-24-010](#).
 - b. Maximum 10W power consumption.
2. Serial (RS-485) Connection to (1) Modbus RTU Slave
 - a. The device uses a 2-wire RS-485 interface, with an internal terminating resistor.
 - b. The external Modbus RTU device should share the same 0V supply reference as this device, or should have an isolated RS-485 communications port.
3. Local I/O Connection to Digital I/O or Analog Input
 - a. The device provides four digital input/outputs and two analog inputs.
 - b. It is important to read the wiring guidelines for the digital I/O and analog inputs in the User manual.
4. After wiring and power the device, the PWR LED should light SOLID GREEN.

C. Install the Mobile App

1. Install the iOS or Android mobile app from the appropriate app store:

- a. Pocket Portal App for iOS devices:
<https://itunes.apple.com/us/app/stride-pocket-portal/id1456616358?mt=8>



- b. Pocket Portal App for Android devices:
<https://play.google.com/store/apps/details?id=com.shorelineiot.stridepocketportal>



D. Open the Mobile App and Create Your Account

1. Enter an email address and password to sign up.
2. You will have to accept the “Terms and conditions” to create an account.
3. Click the email verification link that will be sent to your email address.

E. Create a Device Profile from the Web App

- A Device Profile defines the Modbus device and variables, and local I/O, to be monitored and logged.
- You can create a Device Profile from your account at www.pocketportal.com, or you can use the default profile for now and create a profile after the new Pocket Portal is connected to your account.
- Profile creation is a one-time activity and the same profile can be applied to multiple devices.

F. Connect the Pocket Portal to Your Account

1. You need to have physical access to the Pocket Portal IIoT Bridge with your mobile device in hand so your mobile device can establish a Bluetooth connection to the bridge.
2. In the Mobile App, select “Add device” to start registration and provisioning of the Pocket Portal IIoT Bridge to your account.
3. Make sure the device is powered ON and the PWR LED on the device is SOLID GREEN.
4. Follow the steps provided in the Mobile App to complete the process.

Where to Go From Here?

- If you have not done so already, create a Device Profile tailored to your application from the Web App.
- A detailed User Manual is available on the Pocket Portal platform at <https://www.pocketportal.com/app/help/manual>. Please download a copy of the User Manual for full documentation of the Pocket Portal device and platform.
- Purchase a cloud subscription for your new Pocket Portal device from the Web App.

FOR TECHNICAL ASSISTANCE CALL 770-844-4200