

# Thank you for purchasing a Smart Grid Now ERT Bundle!

The Digi Smart Grid Now AMR Plus Bundle allows you to monitor and control usage when AMR/ERT metering systems are installed. This bundle includes a ConnectPort® X2e SE gateway and an ERT/Smart Energy bridge that allow meter information to be sent over your Internet connection to the iDigi® Device Cloud™ service for display on your iPhone, Android, PC or other third party energy application. This guide is intended to help you set up your system and get started.



## Quick Start Guide

### Smart Grid Now ERT Bundle

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### Verify Contents



### Step 1 - Preparation for the Online Installation Process

**NOTE:** To speed up the online installation process in Step 3, find the information for these questions below, then refer back to the answers during the online installation.

**a** ConnectPort X2e SE

Write down the **ConnectPort X2e SE Serial Number:**  
00409D: \_\_\_\_\_

**b** ERT/Smart Energy Bridge

Write down the **ERT/Smart Energy bridge XBee Serial Number:** \_\_\_\_\_

**c** ERT/Smart Energy Bridge

Write down the **ERT/Smart Energy bridge Install Code:** \_\_\_\_\_

**d** The ERT/Smart Energy Bridge can read electric, gas, and water meters which use ERT technology. Locate any ERT-equipped meter(s) you wish to track your energy usage on (up to 10 meters max), and write down the ERT Type and ERT ID for each meter (see examples below). Please consult with your utility company if unsure whether a meter is equipped with ERT bubble-up technology.

**Electric Meter**

ERT Type: \_\_\_\_\_  
ERT ID: \_\_\_\_\_

**Gas Meter**

ERT Type: \_\_\_\_\_  
ERT ID: \_\_\_\_\_

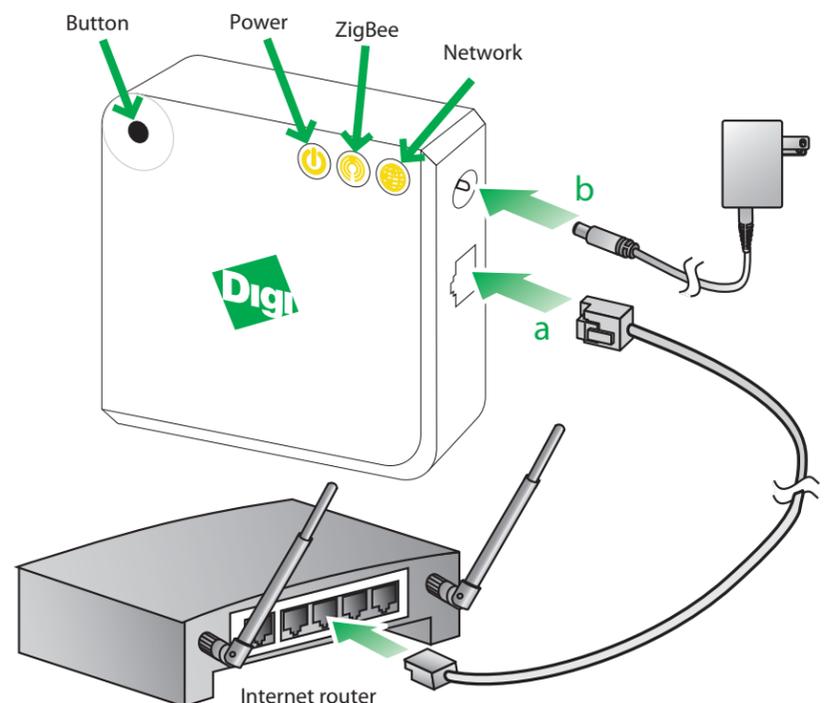
**Water Meter**

ERT Type: \_\_\_\_\_  
ERT ID: \_\_\_\_\_

### Step 2 - Set up your ConnectPort X2e SE and ERT/Smart Energy bridge

#### Ethernet Setup

- a** Connect the Ethernet cable.
- b** Connect the power supply to the ConnectPort X2e SE gateway and then plug it into a wall outlet.
- c** **Startup Sequence** - After plugging in the device the Power and Network LEDs will gradually turn solid green.

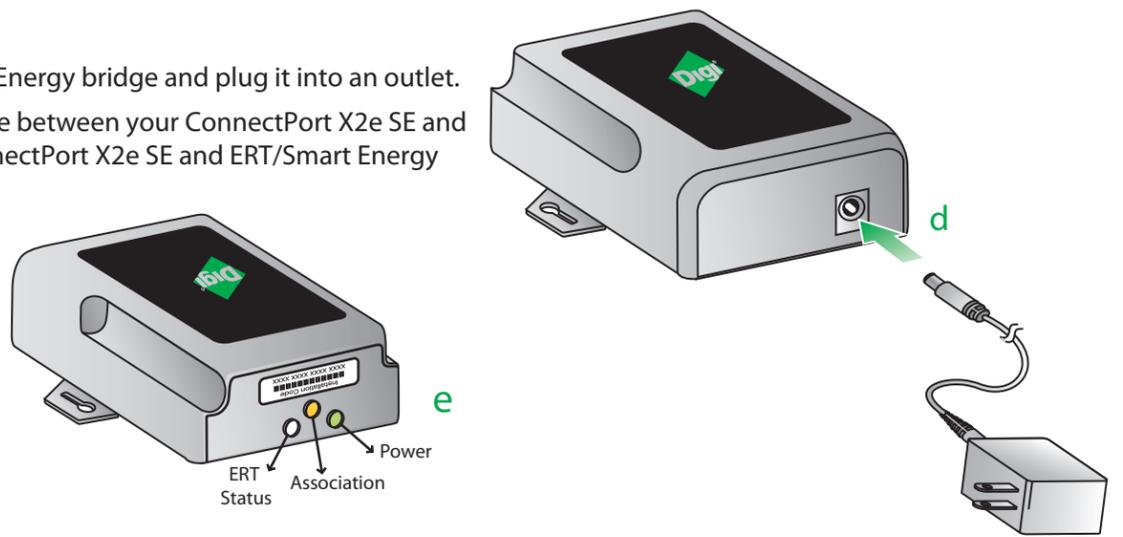


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## Step 2 - (continued)

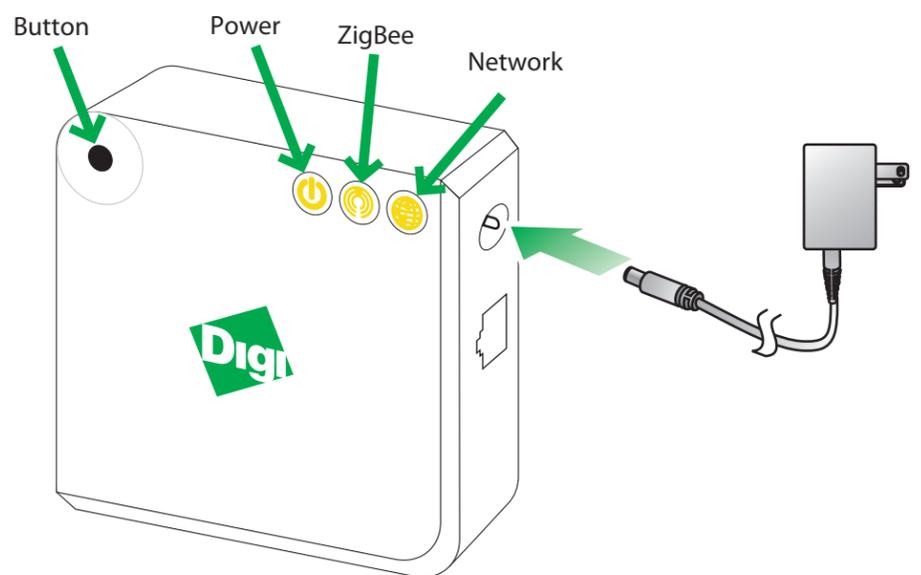
- d** Connect the remaining power supply to the ERT/Smart Energy bridge and plug it into an outlet.  
**NOTE:** Position the ERT/Smart Energy bridge somewhere between your ConnectPort X2e SE and the meters you wish to monitor. Avoid placing the ConnectPort X2e SE and ERT/Smart Energy bridge directly next to each other.
- e** Verify that the LEDs on the top of the ERT/Smart Energy bridge are operating. The Association LED should be solid amber, the Power LED should be solid green, and the ERT Status LED will be off until online installation is complete.

See the Troubleshooting section for further details about the ERT Status LEDs.



## Wi-Fi Setup

- a** Connect the power supply  
**NOTE:** After connecting the power supply, the Power LED will be solid green, the ZigBee LED will be blinking green, and the network LED (WAN) will be blinking orange. Once the Wi-Fi configuration is complete, the Network (WAN) LED will change from blinking orange to solid green.
- b** Enable Access Point mode on your device by pressing the button.  
**NOTE:** If the ConnectPortX2e SE has already been configured to connect to an access point, it will need to be set back to factory defaults to use the following procedure. Holding the Button for over 10 seconds after the device is running will return the device to factory default configuration.
- c** Configure the Wi-Fi interface of your laptop to connect to the ConnectPort X2e SE gateway's access point. The name (SSID) of the access point will be cpx2e-se-xxxxxxxx, where xxxxxxxxxxx is the serial number of the gateway.
- d** Go to your web browser, and enter the URL of the gateway: <http://192.168.100.1>
- e** Navigate to **Configuration > Wireless Wizard**. Follow the steps in the wizard to configure your device.  
**NOTE:** Once the configuration is complete, your device will connect to your home access point and attempt to connect to Smartlee. You can track its progress by observing the network LED behavior. Once the connection to your access point and gateway is connected to Smartlee, all the LED's will be solid green.



## Step 3 - Online Installation

**Important:** When using the Router variant of this bundle, the ConnectPort X2e SE and the ERT/Smart Energy Bridge must be successfully joined to a Smart Energy Network before moving on to step 3a. Please contact the Utility or owner of the Smart Meter (or other Coordinator) if unsure how to add your bundle to the network. The equipment must be powered ON when being added/removed from a Smart Energy network.

To begin the online installation process:

- a** Browse to [www.livesmartlee.com](http://www.livesmartlee.com) and sign in to our secure server if you have an existing account, or create an account to get started.
- b** Follow the step-by-step instructions to completion.

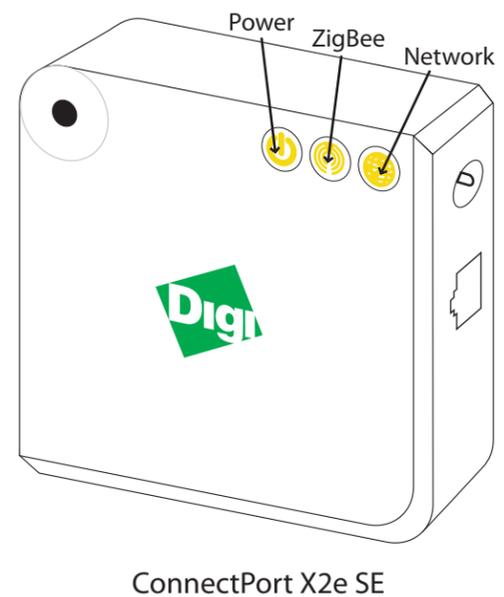
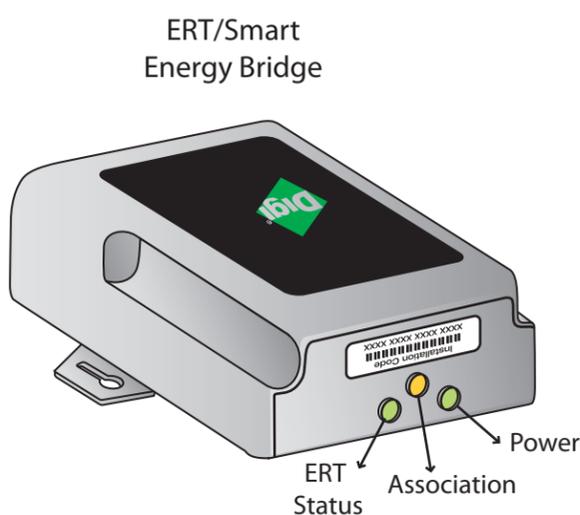
Congratulations! Following the online installation process, you will be able to track your energy use from anywhere using your smartphone (iPhone or Android) or from an Internet connection.

# Troubleshooting

- a** The Smartlee website does not recognize my gateway.
- Ensure that you have properly connected the Ethernet and power cables (as described in Step 2)
  - Verify that your Internet access is working by opening a browser on your PC and connecting to a web page (e.g. www.google.com)
  - Your router/access point security configuration settings may need to be modified in a home network. Common causes are:
    - DHCP is not enabled
    - MAC filtering is enabled (you will need to add the ConnectPort X2e SE gateway MAC address to the filter table). Please note that the gateway's MAC address is the same as its serial number.
    - You have exceeded the number of DHCP addresses (you will need to increase the allotment)
  - Though unusual for a home network, it's not unusual for corporate networks to block outgoing traffic from unknown devices on the network with a firewall. Please ensure that outbound TCP port 3199 (iDigi SSL) and UDP port 123 (NTP server access) are available to the gateway.

- b** Installation of the iPhone/Android application through the Web is failing.
- You may manually install the iPhone/Android phone application directly from your phone by:
    - Using your iPhone, go to the App Store
    - Using your Android phone, go to the Market
    - Searching for Digi Smartlee
  - Once found, install the application. Sign in with the same login and password you created when you opened your Smartlee account online.

- c** Are the status LED lights operating correctly?
- Ensure that you have properly connected the Ethernet and power cables (as described in Step 2)
  - LED light behavior by device:



ERT	LED Status Description	Next Step
OFF	No ERT meter configured	Complete Step 3: Online Installation. The "add meter" step will guide you through ERT meter configuration.
ON	All ERT meters successfully read in the last 30 minutes	No further action required
Fast Blink (2 x second period)	At least one ERT meter has not been read in the last 30 minutes	1. Verify that the ERT Smart Energy bridge is close enough to the meter 2. If blinking persists, call Digi technical support for assistance
Slow Blink (once every 2 seconds)	Initial 30 minute setup blink, at least one meter has not been read	Wait one minute. If after one minute the LED is not solid, follow "Next step" for "Fast Blink" above.
Association		
OFF	Not functioning correctly	1. Verify that the power supply is connected to the device and outlet 2. If still not operating, call Digi technical support for assistance
ON	OK however, online installation is not complete	Complete Step 3: Online Installation
Blink	OK	No further action required
Power		
OFF	No power	1. Verify that the power supply is connected to the device and outlet 2. If still not operating, call Digi technical support for assistance
ON	OK	No further action required

● Power

Status	Description
OFF	No power
Solid green	Device is powered

● ZigBee

Status	Description
OFF	Radio disabled
Blinking green (slow)	Searching for other ZigBee devices on the network
Blinking green (fast)	Establishing a Smart Energy network
Solid green	Connected to a Smart Energy network

● Network

Status	Description
OFF	Powered OFF
Blinking yellow (slow)	Powered ON, no Ethernet link
Blinking yellow (fast)	Ethernet link, no IP address
Solid yellow	IP address assigned
Blinking green (slow)	Attempting a connection to the iDigi server
Blinking green (fast)	iDigi server found, authenticating
Solid green	Connected to iDigi server

Need Help? Call 1-877-693-7849 or visit [www.digi.com/support](http://www.digi.com/support).

Additional Smart Energy documentation can be found at:  
<http://idigi-se.appspot.com/edocs/index.html>.