3.Installing The Ember Desktop Software

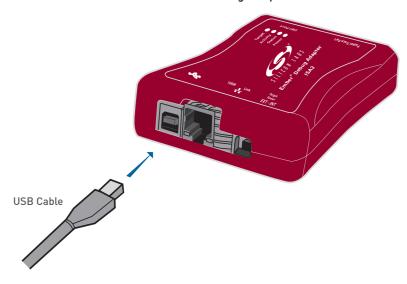
The Ember Desktop software only runs on Windows 7 or Windows XP and requires Java 1.6 or later.

- 1. Insert the Ember Desktop CD into CD-ROM drive.
- If Setup doesn't start automatically, browse to emberSetup.exe in the CD's root directory and run it.
- 2. Follow on-screen instructions to install the Ember Desktop software.

4. Configuring Static IP Addresses (optional)

By default, Ember Debug Adapters are configured to acquire IP addresses using DHCP. If your network environment instead requires use of static IP addresses, configure each Ember Debug Adapter as follows.

- 1. Browse to the Utilities folder of the Ember Desktop CD and run ISA3_Utilities.exe.
- 2. Disconnect one Ember Debug Adapter entirely from PoE switch.
- 3. Connect one end of USB cable to the Ember Debug Adapter.



- 4. Connect other end of USB cable to the PC.
- 5. Open a command window and change directory to C:\Program Files\Ember\ISA3 Utilities\bin (the default).

- 6. Run em3xx_isa.exe with these parameters to configure static IP settings:
- Replace IPADDR, NETMASK, and GATEWAY with your desired settings.

em3xx_isa.exe --admin "ip static IPADDR NETMASK GATEWAY"

Example The following command line changes settings to a static IP address of

192.168.1.100 with a netmask of 255.255.255.0 and a gateway of 192.168.1.1. C:\Program Files\Ember\ISA3 Utilities>

em3xx_isa.exe --admin "ip static 192.168.1.100 255.255.255.0 192.168.1.1"

Success: ip: (after reboot) Static 192.168.1.100 255.255.255.0 192.168.1.1

7. Run em3xx_isa.exe one more time with these parameters to disable DHCP:

C:\Program Files\Ember\ISA3 Utilities>em3xx_isa.exe --admin "ip dhcp off" Result

Success: ip: (after reboot) DHCP off

- 8. Unplug the Ember Debug Adapter from the USB cable, and reconnect the Ember Debug Adapter to the PoE Switch per "Connecting the Hardware" section.
- 9. Repeat steps 2–8 for the two other Ember Debug Adapters.

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5. Running The Ember Desktop First-Time Setup Wizard to Verify Installation

Once you have connected the hardware and installed the software, run the Ember Desktop setup wizard to verify the installation.

- 1. Launch the Ember Desktop software: Start | All Programs | Ember | InSight Desktop | InSight Desktop.
- 2. Enter the Ember ZigBee support portal username obtained from Silicon Labs support and click Save username and continue. If you don't have a username, click Continue without registration. Once you have a username, you can register with Help | Register.
- 3. Launch the Ember Desktop first-time setup wizard: Click Start First-time Setup button or select Help | First-time setup wizard.
- 4. Click Next and follow the on-screen instructions.

The first-time setup wizard will search your network for attached Debug Adapters. When done, you will have connected the Debug Adapters and loaded application images on them. You are now ready to capture network traffic from the Debug Adapters. CONGRATULATIONS!

5. Click Finish.

6. Doing Custom Development

You must be a registered user of the Ember ZigBee Support Portal to obtain support, download the latest Silicon Labs development software and receive automatic updates for the Ember Desktop software. To create an account, go to http://www.silabs.com/zigbee-support and follow the instructions there before continuing. You will need to provide the software serial number on the hardware identification list attached to this guide.

- A. IAR Workbench
- 1. Insert IAR Embedded Workbench CD into the CD-ROM drive.

If the setup doesn't start automatically, browse to autorun.exe in the CD's root directory and run it.

2. Follow the on-screen instructions to install IAR Embedded Workbench.

Licenses and support are provided separately and can be obtained from IAR Systems at http://www.iar.com.

- B. EmberZNet PRO ZigBee Protocol Stack
- 1. Go to the Silicon Labs ZigBee Support Portal at http://www.silabs.com/zigbee-support
- 2. Log in with your username and password.
- 3. Select the Software Releases tab, then select one of the EM35x stack installers in the View pull down menu.

7. For More Information

If you have any installation issues, refer to the EM35x User Guide. You can also use the Ember ZigBee Support Portal at http://www.silabs.com/zigbee-support

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Place Hardware Identification List here

1. Unpacking the Contents

