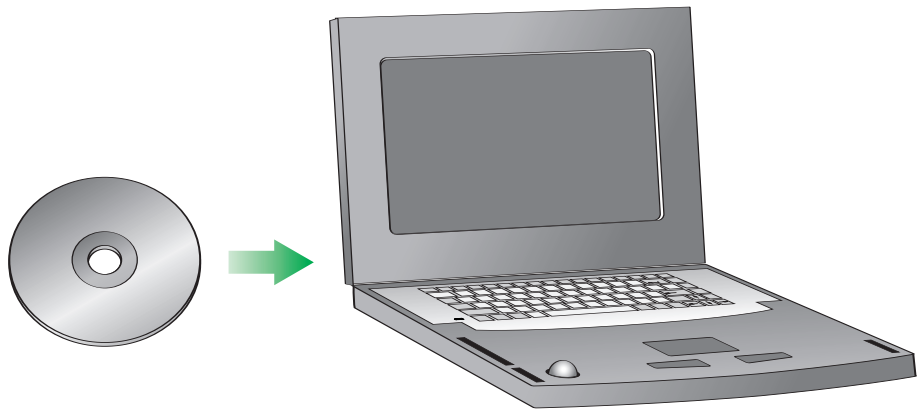# 1 Install software

Install the NET+OS development kit software.

NOTE: If you are installing NET+OS for use with a third party IDE, follow the "Getting Started" instructions that are included in the third party Add-on Kit.

Quick Start Guide

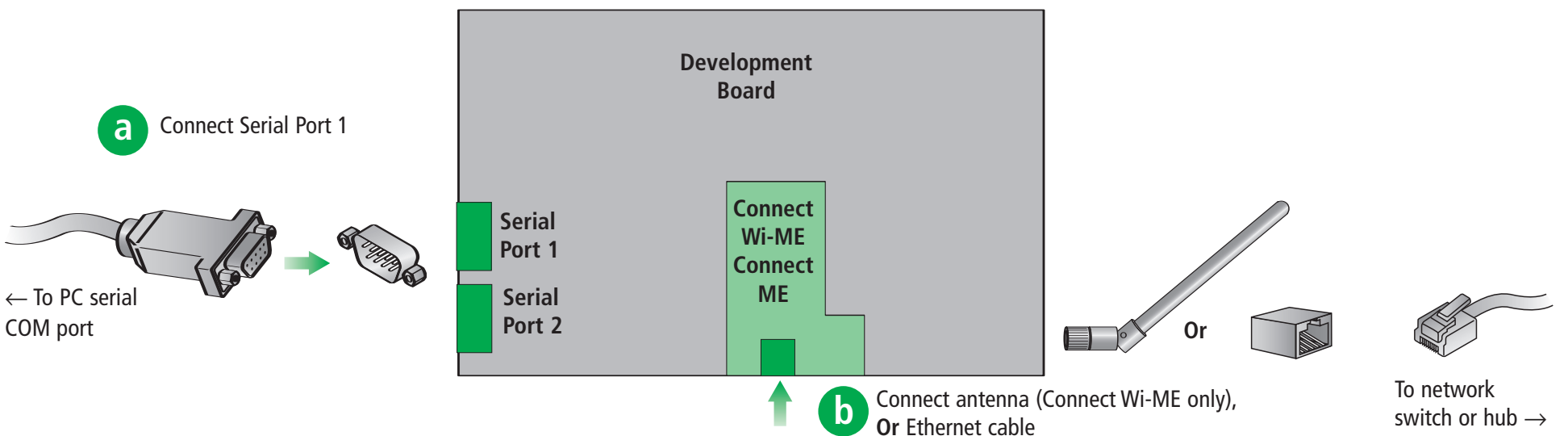Digi JumpStart Kit™
NET+OS with Digi ESP™
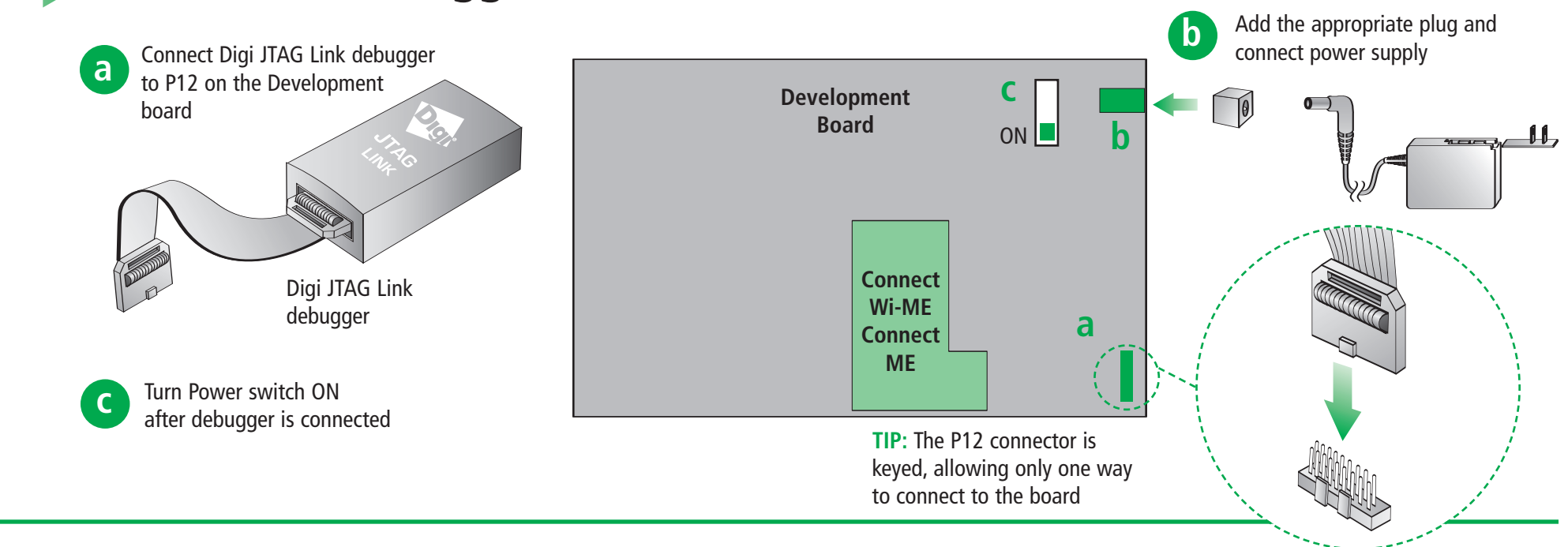 Digi Connect ME®
  Digi Connect® Wi-ME
  Digi Connect ME® 9210

PN (1P): 90000887-88 A

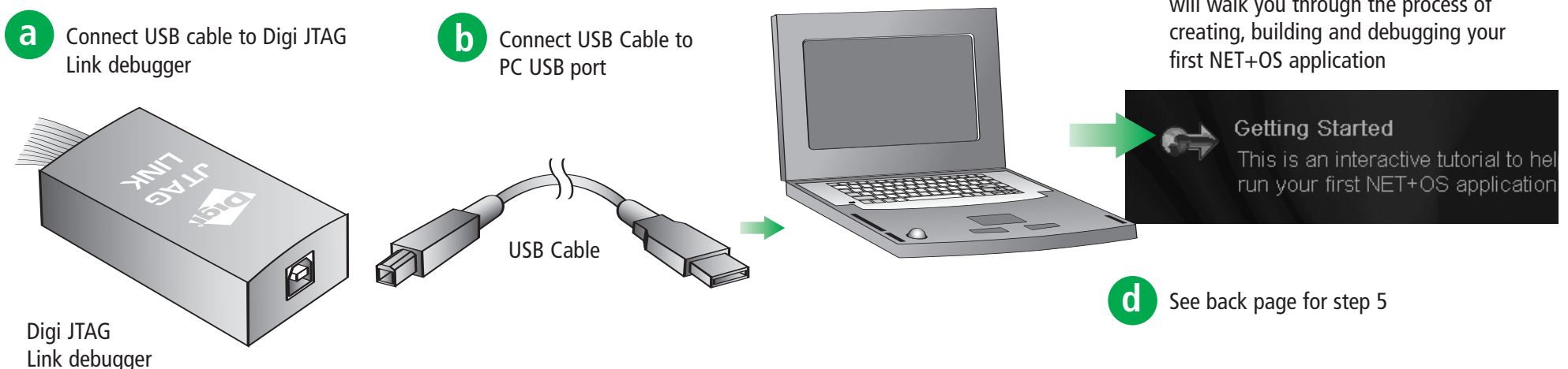# 2 Connect hardware to development board

Development Board

a Connect Serial Port 1

← To PC serial COM port

Serial Port 1

Serial Port 2

Connect Wi-ME Connect ME

b Connect antenna (Connect Wi-ME only), **Or** Ethernet cable

Or

To network switch or hub →

---

3 Connect debugger to module

a Connect Digi JTAG Link debugger to P12 on the Development board

Digi JTAG Link debugger

c Turn Power switch ON after debugger is connected

Development Board

c
ON
b

Connect Wi-ME Connect ME

a

TIP: The P12 connector is keyed, allowing only one way to connect to the board

b Add the appropriate plug and connect power supply

---

4 Connect to PC USB port

IMPORTANT: You must install the software before connecting the debugger!

a Connect USB cable to Digi JTAG Link debugger

b Connect USB Cable to PC USB port

Digi JTAG Link debugger

USB Cable

c Click the "Getting Started" link on the Welcome screen in Digi ESP™, which will walk you through the process of creating, building and debugging your first NET+OS application

Getting Started
This is an interactive tutorial to hel
run your first NET+OS application

d See back page for step 5

Getting Started
This is an interactive tutorial
run your first NET+OS appl
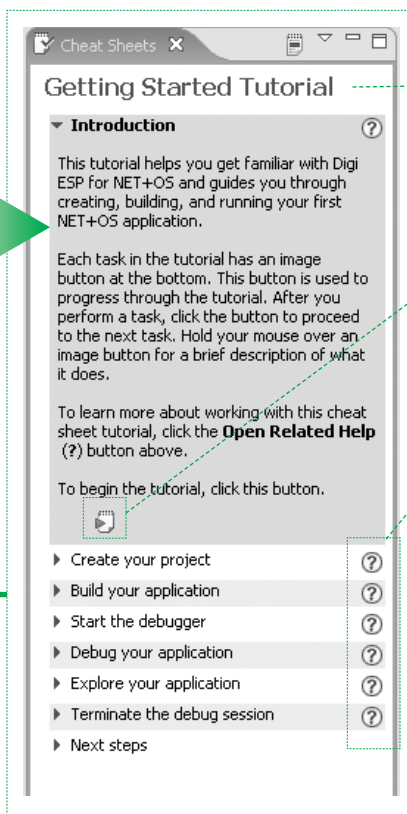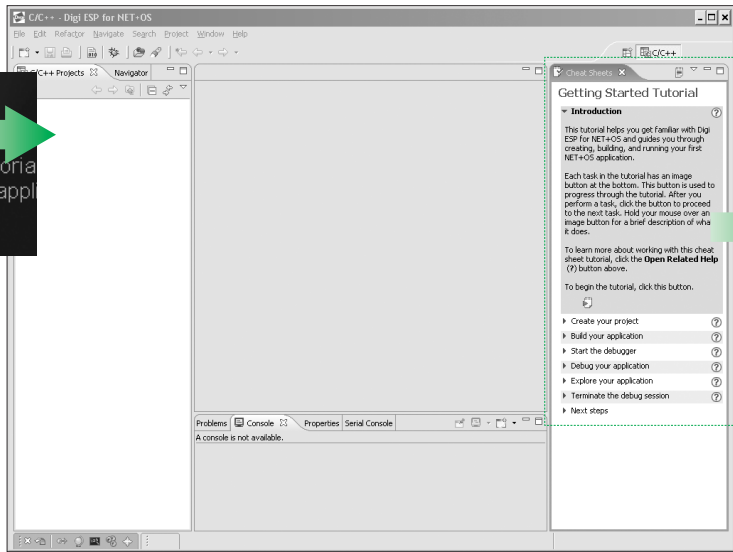
Getting Started Tutorial Digi ESP™ guides you through these simple steps helping you to build your first application in minutes.

Next Step button
Click here when you have completed a step to move onto the next step in the tutorial.

Help button
Click here to open detailed help relating to this step in the tutorial.

Features of Digi ESP™

Digi ESP™ maintains multiple layouts of views, menus, and toolbars to help you complete different tasks. These layouts are called perspectives. All perspectives are completely customizable and Digi ESP™ remembers the changes you make, so the next time you use the perspective, it stays just the way you like it.

Debug perspective
Debugging views. Digi ESP™ automatically switches to the Debug perspective when you start to debug your application.

C/C++ perspective
Development views. Create, develop, edit and build using the C/C++ perspective.

Reference: C/C++ Perspective

Workbench toolbar
While all operations can be done from the menus, many commonly used functions can be performed from the main Digi ESP™ toolbar. The contents of this toolbar change based on the active perspective and items may be enabled or disabled based on the state of either the active view or editor.

New   **Build**   **Debug**
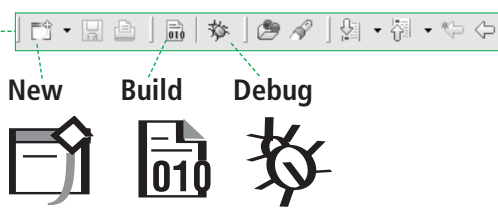
C/C++ Projects view
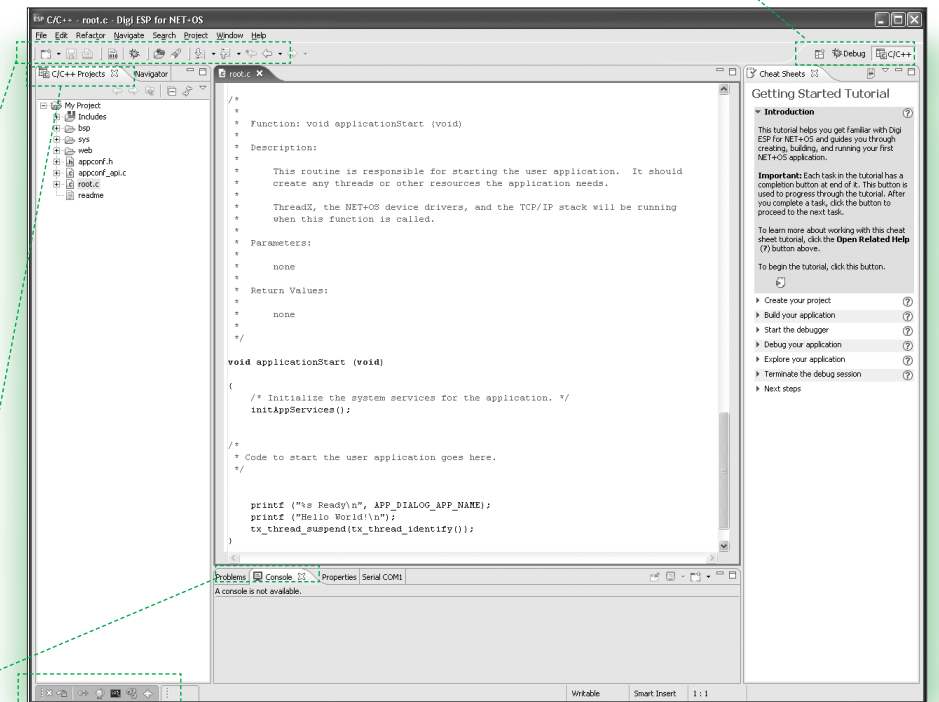Displays your projects and files.

Output and Console Views:
Problems tab
Look here for compile errors. Double-click on the errors to navigate to the location in your source code.

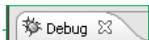**Console tab**
This view displays the complete compiler output.

Welcome toolbar
A mini version of the welcome screen. Use this toolbar to navigate just as you would use the welcome screen to find Getting Started tutorials, samples, and other helpful information.

Reference: Debug Perspective

Debug view
Displays threads, thread status, and thread stack frames.

Other debug views
View local and global variables, breakpoints, monitor and change Digi NET+ARM chip registers or inspect regions of memory.

**TIP:** While debugging at a breakpoint: hover over a variable to reveal its value.

Serial COM tab
This view is the serial data received on your serial console. This is the default console for standard I/O for your application.

Variable, Breakpoint View

Call Stack

Source View

COM Port
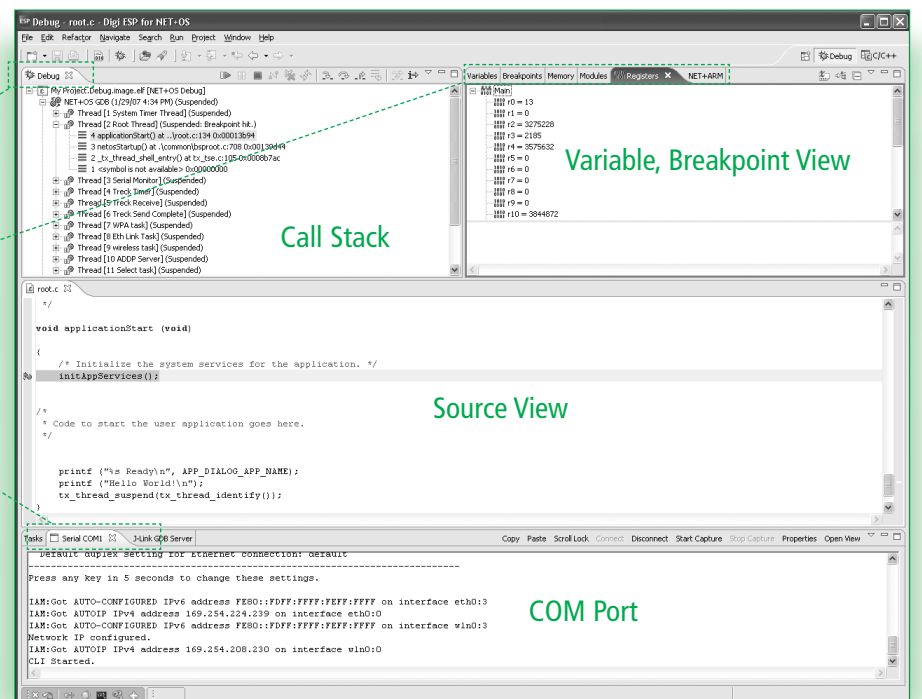
Additional Information

Digi ESP™ includes multiple tutorials to help you along. Find more of the information by clicking the **Help > Welcome** menu.
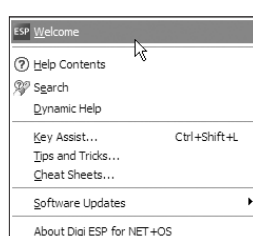
Refer to the items below for additional information and assistance on developing NET+OS applications
- The product support web page: www.digiembedded.com/support
- The product support web forums: www.digiembedded.com/forums