



POWER

Programmable Power Technology

Quick Start Guide
XRP7714EVB-DEMO-2-KIT
XRP7714EVB-DEMO-2P-KIT

Thank you for your interest in Exar's Power^{XR} Programmable Power Technology!

This kit contains everything you need to become proficient in Power^{XR} – just supply the computer & power:

1. XRP7714EVB-DEMO-2 or XRP7714EVB-DEMO-2P demonstration board
2. XRP77XXEVB-XCM configuration board
3. USB Flash Drive with PowerArchitect™ Software
4. USB cable

1 Load the Software

Plug in the USB stick and double click **PowerArchitect_setup.exe**. This will guide you through the installation wizard.



2 Attach the Boards

Orient the Exar Communications Module (XCM) and the Demo Board as shown. Align the pins of the 10 pin headers. Press the boards together to mate the XCM to the Demo Board.



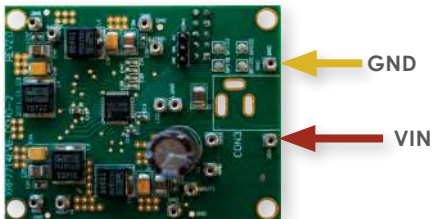
XRP7714EVB-DEMO-2



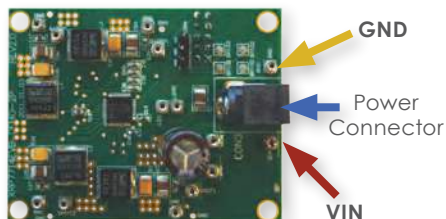
XRP7714EVB-DEMO-2P

3 Connect to Power Supply

Connect the positive lead of your bench supply to VIN (red arrow) and the negative lead to Ground (yellow arrow). For the XRP7714EVB-DEMO-2, **DO NOT EXCEED 5.5 VOLTS**. For the XRP7714EVB-DEMO-2P, you may also use the provided power connector as indicated below. This board is **NOT TO EXCEED 24 VOLTS**.



XRP7714EVB-DEMO-2



XRP7714EVB-DEMO-2P

4 Connect USB Cable

Plug in the USB cable from your PC to the XRP77XXEVB-XCM configuration board. This is the only board with a USB connection on it.

5 Launch PowerArchitect

Double click on the PowerArchitect executable. PowerArchitect will instruct you to load a configuration, please select the right one to create. The board should have been recognized already, if not, go to the File Menu and perform a "Board Search" to locate the board. The evaluation board manual may also be downloaded from www.exar.com/PowerXR.

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