

Other Information

To obtain the most recent and complete documentation for this demonstration board, including:

- User's Guide
- Board Description
- Board Schematics
- Source Code
- Application Examples
- Links to Web Seminars

please refer to the Microchip web site: www.microchip.com

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DS41592A

AR1100 Development Kit Quick Start Guide

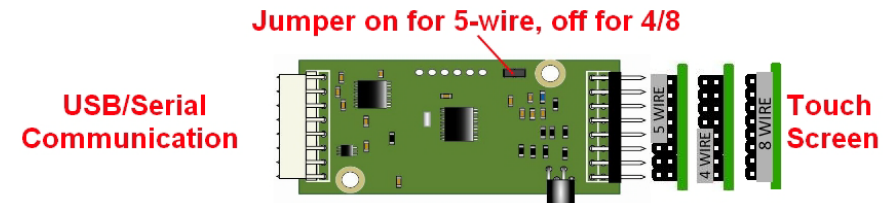
Step 1: Confirm Contents

Make sure your development kit contains the following items:

- Analog Resistive AR1100 Touch Screen Controller Board
- 5-wire resistive analog touch screen
- 6", 4-wire crossover touch screen cable
- 6", 5-wire crossover touch screen cable
- 6", 8-wire crossover touch screen cable
- 6', 8 pos. single-row socket to USB type A male connector communication cable
- 4-wire ZIF connector cable
- 6', 8 pos. single-row socket to female DB-9 RS-232 communication cable
- mTouch™ sensing solution AR1100 Development Kit CD

Step 2: Connections

- Connect either the USB or serial cable to your PC (do not use a USB hub).
- Connect the Touch Sensor tail to the AR1100 Controller board.
- Connect the AR1100 Controller board to the other end of the USB or serial cable. (If connecting via USB, your PC should detect a new device being attached. Wait for this process to complete before continuing).
- If using a serial connection, provide 5V power to the serial connector leads.



Step 3: Installation

Insert the CD into your PC, click "Install Config Utility" and follow the installation instructions.

Step 4: Print Out Calibration Template

Print out the calibration template located in the REFERENCE folder of the CD.

Important: When printing the template, use page scaling set to 'None' on the Print Menu.

Step 5: Run Configuration Utility

Double-click the AR Configuration desktop icon to start the utility and follow the steps in the Configuration Wizard for a five-wire sensor. After successful completion of the wizard, open the Scribble tab on the Configuration Utility and test out the controller by drawing some lines.