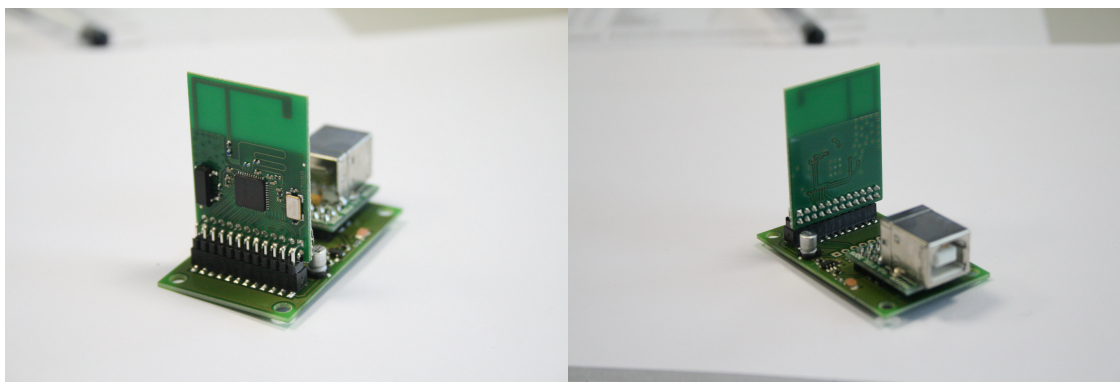


## XTR-ZB1 COORDINATOR DEMO BOARD Usage Guide



### Description

XTR-ZB1 COORDINATOR DEMO BOARD is available to exercise the AUREL XTR-ZB1 radio modules in their Coordinator version.

It provides, via one USB port of any PC, power to the XTR-ZB1 module, while ensuring interface control via any PC program available to control a serial port.

With installation of VCP (Virtual Com Port) drivers for USB/serial conversion available together with demo board, USB port is seen as a COM port added to PC configuration, so any application program will have access to USB in the same way it would access any COM port.

### Start Up Procedure

#### USB/serial converter Drivers Installation

Drivers are downloadable from AUREL Web Site or from FTDI Site at page: <http://www.ftdichip.com/Drivers/VCP.htm>

According to version of Operating System available on PC, drivers to be installed should be chosen as per following table:

Operating System	Driver version
Windows Vista Windows Vista x64 Windows XP Windows XP x64 Windows 2000 Windows Server 2003 Windows Server 2003 x64	CDM 2.02.04
Windows 98 Windows ME	CDM 1.09.06

To install drivers, start the file chosen according to above table, just waiting for procedure to end execution.

For any installation problem, please see FTDI Installation Guide at page:

<http://www.ftdichip.com/Documents/InstallGuides.htm>

#### Connection of Demo Board to PC

Insert XTR-ZB1 radio module into Demo Board socket, assuring that component side of module is looking OUT of Demo Board itself (see pictures at Pag.1).

Connect Demo Board to PC via USB cable.

The newly connected hardware will be automatically recognized.

On Demo Board, red Led will light up to indicate presence of correct Supply power.

On PC it is now possible to verify that a new COM port was created. Use: Control Panel – System – Hardware – Device Manager – Ports (COM and LPT).

Now, any application software that handles the newly created COM port can interface to the XTR-ZB1 module.

Newly created COM port working parameters are:

Baud rate = 38400 bps  
Data Bits = 8  
Parity = None  
Stop Bit = 1

Flow Control (RTS, CTS) is requested "ENABLE" in the application software.

Technical characteristics could change without prior notice. AUREL S.p.A assumes no liability for damages coming from usage of equipment.