Components

- "Host" Wireless Module with USB connector
- "Remote" Wireless Module with 9-pin connector
- Battery Cable and AC Power Adapter (either can be used to power the Remote Module)

Instructions

1. If using an XR5 Data Logger, skip to step 2.
    If using an XR440 Data Logger:
    > The XR440's baud rate must be changed to 9600 as follows: Connect the XR440 to your computer, launch Pocket Logger Software, select Settings, set baud to 9600, click OK, and then select Send | Set XR440 Baud Rate.

2. Connect the Remote Module to the Pace IC209 Interface Cable (other end of Interface Cable connects to Pace Data Logger).

3. Power the Remote Module via AC Adapter or Battery Cable connected to a 9V battery or battery pack (battery pack is not included, see next page for details).

4. Insert the Host Module into a USB Port on your computer.

5. A green light on the Remote Module will glow steady once the Host and Remote modules have automatically "linked".

6. If using a Pace XR440 Data Logger:
    > On your computer, click Start | Control Panel | System | Hardware tab (Win XP only) | Device Manager and click the + sign besides Ports. The assigned COM port # will be listed as USB Serial Port (COMxx) where xx is the Port number. In Pocket Logger Software, click Settings and then click this Port number.

    If using a Pace XR5 Data Logger:
    > LogXR Software will recognize the serial port that the operating system has assigned to the Host Module. Launch LogXR **after** the Host Module is inserted into your computer (LogXR scans for ports only at start-up).

7. Communications with the connected Pace Data Logger will now function as if the Data Logger was connected to your computer via a hardwired connection using the Pace IC209 Interface Cable.

8. Note: If communication drops while increasing the link distance, remove the Host Module from your computer, reduce the link distance, and plug the Host Module into your computer to re-establish the link.

APPENDIX

Faster Data Transfers (XR5 only)

Data Transfers are about 50% faster if "Long packets" is checked in LogXR's Port | Options.

Please Note:
Long packet transfers requires LogXR version 1.01.81 or higher.
Long packet transfers via LogXR's automated Scheduler require XR5 firmware 1.01.06 or higher.
With a wired connection, speed improvement with long packets is about 10%.

Two WTP-100 Wireless Links on one computer.

It is possible for two WTP-100 Wireless Links to simultaneously communicate with two Pace Pace Data Loggers. The two Host Modules must have about 12" of separation between them. **Do not plug two Host Modules into adjacent (side-by-side) USB ports.** Doing so will result in unreliable communications and could possibly damage a Host Module.

Each Host Module will be assigned its own com port by your computer's operating system. Launch two instances of the Pace software, and select a valid and different com port for each instance (with LogXR Software for the XR5, choose Port | Select; with Pocket Logger Software for the XR440, choose Settings).

One WTP-100 Wireless Link connects to multiple XR440 Data Loggers using a Pace M31 Multiplexer.

Connect the Remote Module to an M31 Multiplexer using the IC209 Interface Cable. Up to three (3) XR440 Data Loggers can connect to one M31 Multiplexer using ICM-5FT and ICE-12FT Cables. See webpage www.pace-sci.com/XR440mux.htm for details.

Powering the Remote Module with the included battery cable.

The Battery Cable can be used to power the Remote Module in place of the AC Power Adapter. The battery cable connects to a 9V battery or a compatible battery pack. Three sizes of battery holders are available from Pace (AA, C or D size cells). Weatherproof cases available from Pace house the data logger (XR440 or XR5), WTP-100 Remote Module, and battery pack (see table below).

WTP-100 estimated battery life, Pace Enclosure with BP (battery pack) option and Pace XR440 or XR5-SE Data Logger				
Enclosure # for XR440	Enclosure # for XR5	Battery Size	One data transfer per day	Constant Real Time Mode (24/7)
EC24-BLK-BP	EC24-BLK-BP	Four AA cells	6 days	2 days
EC24-YEL-BP	EC24-YEL-BP	Four AA cells	6 days	2 days
EC44-BP	EC45-BP	Four C cells	15 days	5 days
EC506-BP	EC55-BP	Four D cells	30 days	10 days

Notes:

1) "One data transfer per day" assumes Host module is unplugged from USB port when not communicating with logger, and Remote module remains powered up via the battery pack. Battery life will be longer if "Long Packets" is selected in LogXR's Port | Options.

2) A 9V battery can also power the WTP-100. Estimated battery life in constant real time mode is 9 hours with a typical 9V alkaline battery, and 20 hours with an Ultralife 9V Lithium battery. Intermittent use will give longer life.

***** For Reference Only **

Remote Module DIP Switch settings:

Position the Remote Module with its 9 pin connector on the right.
Switch 1 is at bottom, switch 4 is at top.
ON = Switch to Left, OFF = Switch to Right

Switch 4   ON
Switch 3   OFF
Switch 2   OFF
Switch 1   OFF

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Note:
WTP-100 Wireless Links shipped after 11/2017 have firmware to automatically pair. The two modules (Host and Remote) work only as a factory configured pair.