



FlexPak6D

QUICK START GUIDE

GM-14915137

Rev 2

January 2015

This guide provides the basic information needed to set up and use your new FlexPak6D. For more detailed information on the installation and operation of your receiver, go to our Web site and download the [OEM6 Family Installation and Operation](#) user manual (OM-20000128).

BOX CONTENTS

In addition to this *Quick Start Guide*, the following is provided with your FlexPak6D:

- 1 power adapter cable
- 1 null modem serial cable
- 1 I/O cable
- 2 SMA to TNC adapter cables
- Quick Reference Guide

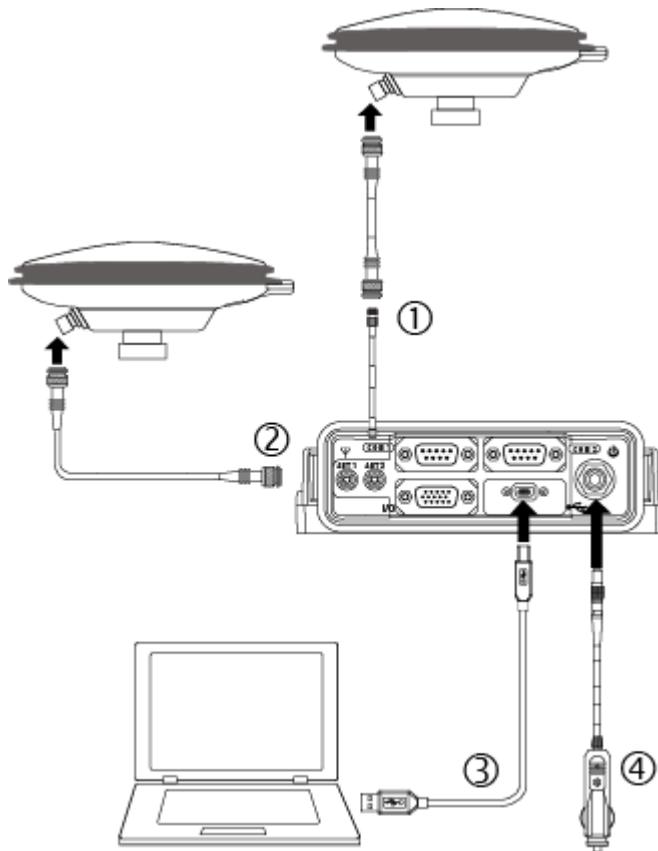
ADDITIONAL EQUIPMENT REQUIRED

The additional equipment listed below is required for a typical setup:

- A Windows based PC with an RS-232 DB-9 or USB port
- One of the following:
 1. a standard 12 V DC power outlet or
 2. a 6-36 VDC power supply capable of at least 5 W
- Two quality GNSS antennas, such as one from NovAtel's 700 or ANT series. Contact your NovAtel representative for a full range of options
- Two antenna cables with SMA connectors at the receiver end

SETTING UP YOUR FLEXPAK6D

Complete the following steps to connect and power your FlexPak6D. Be sure to mount the antenna to a secure, stable structure with an unobstructed view of the sky.



1. If required, connect the two SMA to TNC adapter cables to each of the ∇ ports found on the front face of the FlexPak6D.
2. Using two coaxial cables, connect the antennas to each of the ∇ ports found on the front face of the FlexPak6D or to the TNC ends of the SMA to TNC adapter cables.
3. Connect the *COM1* or *USB* port on the receiver to the *USB* or serial port on your PC. If you are using a USB connection, install the USB drivers available from www.novatel.com/support/info/documents/809.
4. Connect the power cable connector to the ⏻ port. Line up the red mark on the power cable connector with the red mark on the receiver's PWR port and insert power cable.

Alternative Power Source

If you use an alternative power source, the 12 V car adapter can be cut off from the power cable. The exposed wires can then be tied to a 6-36 VDC power supply capable of at least 5 W.

Since the 12 V car adapter on the supplied adapter cable incorporates a 6 A fuse, a user supplied 6 A slow blow fuse in a suitable holder must be used at the alternate power source to protect both the power supply and your warranty. The car adapter is not recommended for use if your power source is greater than 12 V.

For an alternative power source:

- a) Cut the 12 V car adapter from the power cable.
- b) Tie the exposed wires to a 6-36 VDC supply capable of at least 5 W.

 Be sure to connect the red and orange or green wires to the positive side of supply and connect the black and brown or white wires to the negative side of supply.

- c) Use a user supplied 6 A slow blow fuse at the alternate power source to protect the power supply wiring and your warranty.

Fuse/Holder Recommendations

12 V System

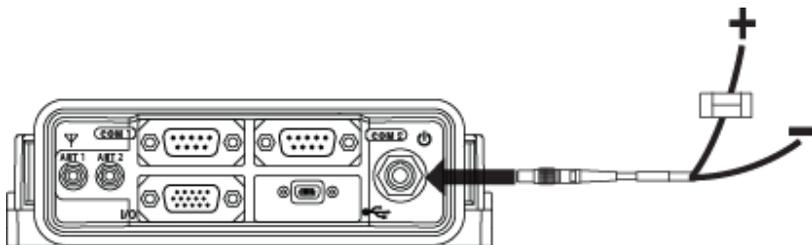
BK/MDL-6-R Fuse (or equivalent)

BK/MDA-6-R Fuse (or equivalent)

Holders

BK/HFA-R-R Fuse (or equivalent)

Note: All made by Cooper/Bussmann; available from Digikey



5. Plug in the adapter and/or turn on the power supply. The power LED will be red when the FlexPak6D is properly powered.

 Be aware that the FlexPak6D provides an output voltage on pin 4 of COM2 (POUT). This output voltage is at the same level as the power source that you use to power the FlexPak6D. To ensure that any equipment you connect to COM2 will not be damaged, refer to the COM2 pin out in the [OEM6 Family Installation and Operation](#) user manual (OM-20000128).

NOVATEL CONNECT

Once installed, NovAtel **Connect** provides a graphical interface to establish communication, control and monitor the operation of your NovAtel receiver.

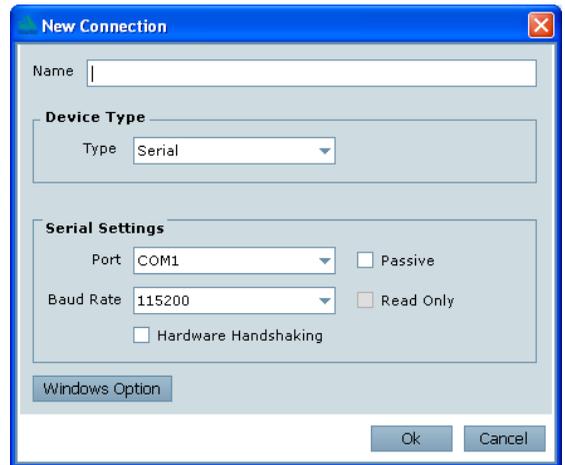
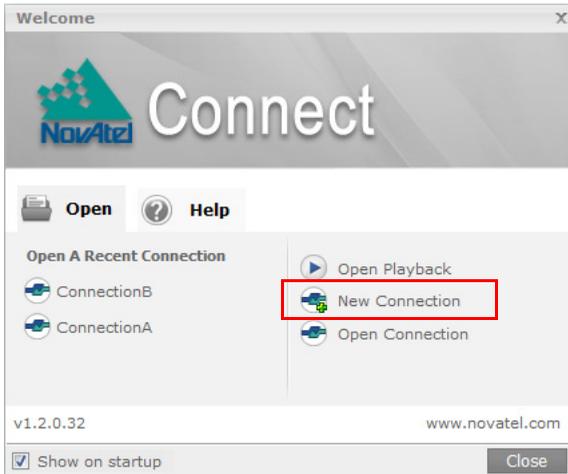
 Go to the Support page of our Web site at www.novatel.com/support to access and download.

Establishing a New Receiver Connection

The first time you open a serial port to communicate with the receiver, complete the following:

1. Launch **Connect** from the *Start* menu folder specified during the installation process. The default location is *Start | All Programs | NovAtel PC Software | NovAtel Connect*.

2. Select *New Connection* from the Welcome window.



3. Enter a name for the Connection.
4. Select *Serial* from the *Type* list.
5. Select the computer serial port the FlexPak6D is connected to from the *Port* drop list.
6. Select *115200* from the *Baud Rate* list.
7. Ensure the *Hardware Handshaking* check box is cleared.
8. Click the *OK* button to save the new connection.

 Detailed instructions for using **Connect** are available from within the utility Help, the .chm file bundled with the software or from our web site www.novatel.com/support/info/documents/809.

QUESTIONS OR COMMENTS

If you have any questions or comments regarding your FlexPak6D, please contact NovAtel using one of these methods:

Email: support@novatel.com

Web: www.novatel.com

Phone: 1-800-NOVATEL (U.S. & Canada)
403-295-4500 (International)

Fax: 403-295-4501

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