

Here's the VHF

WeatherDirect receiver

you asked us to build..



1200 Baud OR
9600 Baud EMWIN
data with synthesized
Tuning agility from 137
to 170 MHz

The Zephyrus WX-3 offers front-panel settings, even for
"half channel" spaced transmissions

So you have a 1200
baud system that you
plan to upgrade to 9600
later?

The WX-3 lets you
change baud rates with
the flip of a switch.

Traveling? Take the
WX-3 along and tune in
transmissions of other
systems.

With the National Weather Service now running many more weather products that originally appeared on the EMWIN data stream, local 1200 baud VHF broadcasters have to delete the majority of the weather information before transmitting locally. If local products are added to the broadcast, even more of the national information must be discarded.

An increasing number of local systems are using Zephyrus 9600 baud encoding equipment to transmit eight times as much information as before. Often the same transmitter equipment can be used.

ZEPHYRUS ELECTRONICS, Ltd. Tulsa, OK 74128, USA

Phone 918-437-3333 Fax 918-438-7322 <http://www.big-z.com>



ZEPHYRUS

Thank you for using our equipment. We will do our best to earn your continuing confidence in Zephyrus and our products. Any time you need information or help, give us a call at 918-437-3333 (US).

It's a good idea to look the equipment over for any shipping damage as soon as it is received. If damage is discovered, contact and file a claim with the freight company. They are responsible to you.

We hope it doesn't happen, but if you ever have a problem that requires you to send equipment back to us for repair or replacement, ***Please pack a note in with the device. Give us as much information as possible;***-- what the problem is and anything you can tell us that might help solve it. Customer feedback is the last line and a very vital part of our overall quality control.

It will also help both of us if you will get an RMA number from the service technician you are talking with. We will certainly accept products for service without a number, but any notes that the tech makes in his phone calls with you might not get tied to your unit when it gets here.

Our Limited Warranty is as follows:

We will fix or replace any product that is defective within One year after you receive it. We won't cover damage from accident or misuse. Warranty is FOB the factory or our servicing distributor. Our responsibility is limited to repair or replacement only and no other expenses or consequential damages. No other warranties apply.

Whether your warranty has expired or not, customer support and assistance is the backbone of our business. Our management has a background in broadcasting, so we understand the seriousness of "equipment down." We'll do all we can. --Your referral to a friend might even be our next sale!

We make quality affordable

thankyou.sam

Your Zephyrus WX-3 WeatherDirect Receiver

The WX-3 is designed to receive 1200 baud data in Bell 202 format or 9600 baud data in the Zephyrus DFSK isochronous format. Operating frequency and baud rate of the WX-3 is selected by the position of the front-panel dip-switches. Switch positions are determined by using the tune program on the diskette furnished with your WX-3. Operation of the WX-3 consists of connecting power, an antenna and a serial cable to a free port of your computer. Your computer should be at least a 100 meg pentium with 40 megs of free disk space.

POWER: The WX-3 requires 12 volts of DC power. A 12 volt "wall transformer" is furnished. For mobile use, an optional cigarette lighter adapter is available.

ANTENNA: Operating frequencies of the EMWIN signals presently range from approximately 140 to 170 MHz. As a general rule, antennas built for 2-meter Ham radio use perform OK. For mobile use, magnetic 1/4 wave antennas work very well. The type of antenna you choose is a function of your proximity to the transmitter. For installations close by, we have "rubber-duck" type antennas available for \$9.50 each.

For intermediate distances, television rabbit ears or home-made dipoles with the elements about 18" long have been used successfully. Connect one element wire to the center conductor of the antenna coax feedline and the second to the shield. We have one tacked to a wall behind a curtain.

CAUTION-CAUTION-CAUTION

If you install an outdoor antenna, watch out for power lines.
Follow the antenna manufacturer's instructions.
We prefer to have our customers alive.

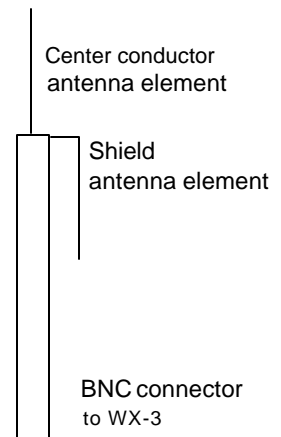
General Operation: Connect the WX-3 to your computer with a shielded RS-232 cable, connect power and antenna and you are ready to go. When you start the Data Engine in your RealEmwin software package, make antenna adjustments or changes until you receive error-free data. This should be a one-time thing

Your computer is a source of radio frequency interference. It is usually necessary to separate the WX-3 and your computer by 2-4 feet, especially if you're operating with an antenna attached directly to the WX-3.

Installation and Operation Information



Example of a simple
dipole antenna



Limited Warranty: In the event the WX-3 conks out within a year of your purchase, and you didn't break it, we will fix or replace it at our option. Warranty is FOB Tulsa, Oklahoma. No other warranties apply or are implied. We will not be responsible for consequential damages. Some states do not allow the exclusion of consequential damages, so this may not apply to you.

Declaration of Conformity: The WX-3 is below the limits of radiated energy allowed for a Computer Interface Device.

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