Appendix D. Installation with Dual EFB's

1.0 General

Appendix D is a guide to be used when installing an XMD075-01 weather receiver for use with two EFB's using *WxWorx on Wings* software. Installed in this configuration, the two EFB's are able to manage the weather data independently.

After both EFB's have established communication with the XMD075-01, the loss of one EFB will not affect the other EFB. If the secondary EFB is disabled or loses it's connection to the XMD075-01, the start sequence in section 3.0 will have to be performed to establish communication again.

2.0 Wiring Options

Two options exist when installing the XMD075-01 with the use of two EFB's. The XMDPRT-01 can be installed to convert the RS422 transmitted by the XMD075 into USB. If the EFB's have an RS422 port available, the XMDPRT-01 is not required.

Note: The following figures are block diagrams. Refer to the XMD-3A Electrical Installation drawing for wiring specifications.

Figure 1 below illustrates the use of two XMDPRT-01's. EFB 1 transmits and receives. EFB 2 only receives data from the XMD075.
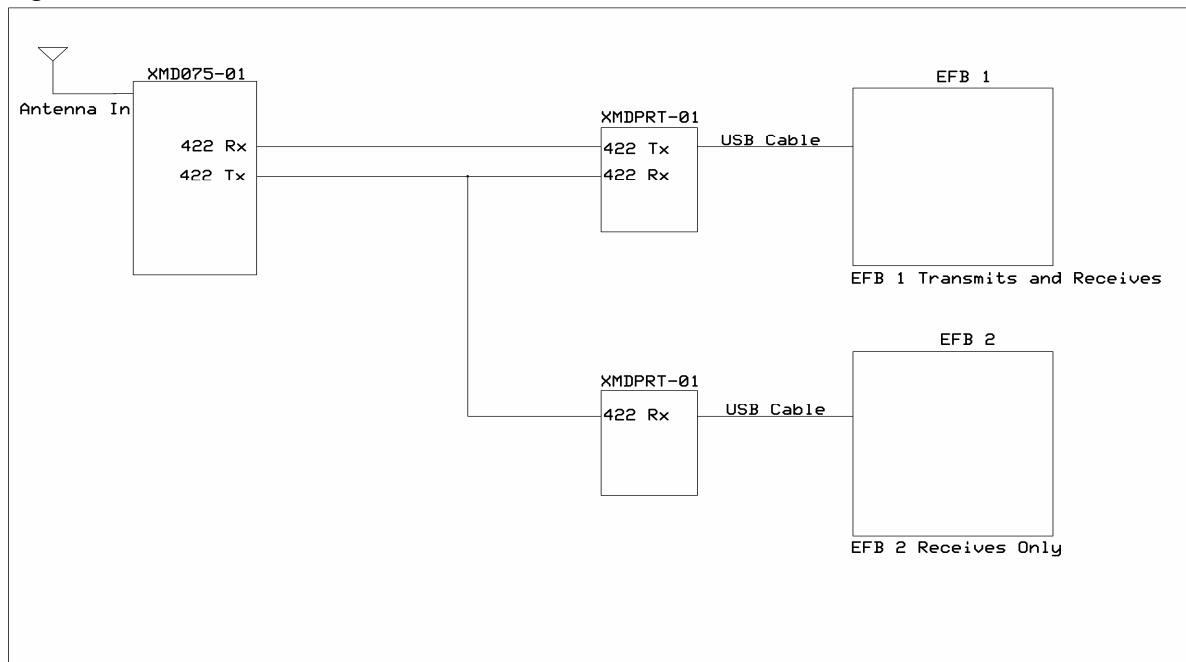
Figure 1

Figure 2 illustrates a direct RS422 transmission to both EFB's. EFB 1 transmits and receives. EFB 2 only receives data from the XMD075.
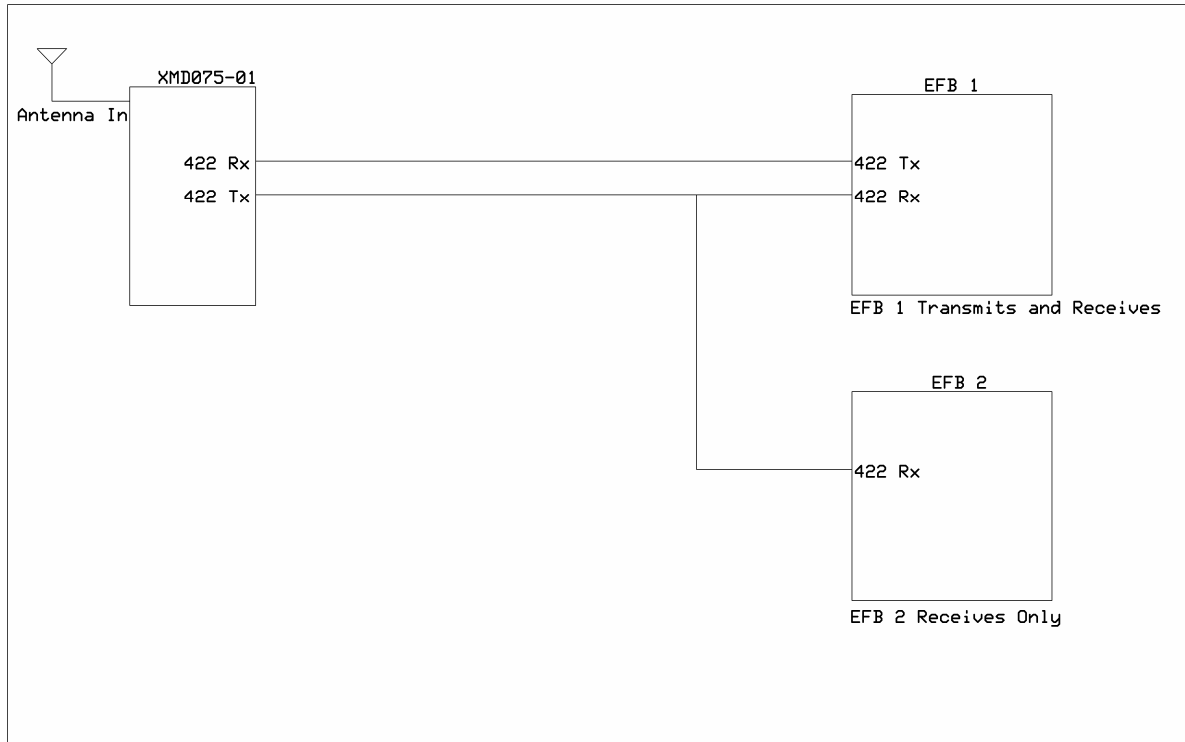

Figure 2

3.0 Start Sequence

When starting the *WxWorx on Wings* software, refer to the steps below:

Step 1: The *WxWorx on Wings* software must be opened on the secondary EFB prior to the software on the primary EFB. This places the secondary EFB in a listening mode.

Step 2: Initiate the *WxWorx on Wings* software on the primary EFB. Both EFB's will start to receive weather.