GDC64 Dual Tablet Interconnection Instructions

Connecting to the HUD XMD076 weather receivers.

The GDC64 has a single RS232 serial port and should be used with the XMD076 Receiver

General
This document is a guide to be used when installing an XMD076 weather receiver for use with two Tablet Computer’s with GDC64’s using appropriate software. Installed in this configuration, the two Tablet Computer’s/GDC64’s are able to manage/view the weather data independently. After both Tablet Computer’s/GDC64’s have established communication with the XMD076, the loss of one side will not affect the other side.

Connections (See Block Diagram)
XMD076 Pin 22 (RS232 TX) to Both GDC64’s pin 34 (RS232 RX)
XMD076 Pin 4 (RS232 RX) to the Primary GDC64 Pin 38 (RS232 TX)
XMD076 Pin 23 (RS232 Ground) to both GDC64’s Pin 20 (RS232 COM)

Operation
It is important to have the WX Receiver on before either iPad App is launched.

Start Sequence
When starting the Application software, refer to the steps below:

Step 1: The Application software must be opened on the secondary Tablet Computer prior to the software on the primary Tablet Computer. This places the secondary Tablet Computer in a listening only mode.

Step 2: Initiate the Application software on the primary Tablet Computer then both Tablet Computer’s will start to receive weather.
What if I have an XMD-075 receiver already installed?

The XMD-075 outputs RS-422 which has different levels than the RS-232 output of the XMD-076.

In order to convert the RS-422 to RS-232 for connection to the GDC-64, use the following diagram.