

WDMX-512 ProDiversity

OEM INSTALLERS QUICK START GUIDE

1. Preface

The WDMX-512 ProDiversity modular 802.11b wireless radio solution was designed to meet the growing needs of System Integrator and other professional developers. The WDMX-512 ProDiversity product is intended communications over the wireless medium on standard WLAN 802.11b protocol.

This manual will demonstrate how the equipment is to be used in a safe and lawful manner.

1.1 FCC Statement

IMPORTANT

The installation of the PCMCIA module into an enclosure requires that the integrator label the outside of the enclosure with the FCC ID printed on the module. Changes or modifications not expressly approved by Blast Technology ApS may void the user's authority to operate the Equipment. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions; (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

1.2 Important Safety Instructions

HEAT

- The product should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

DAMAGE REQUIRING SERVICE

- This product should be serviced by qualified service personnel when:
 - 1) The power supply cord or plug has been damaged, or
 - 2) An object or liquid has entered into the product, or
 - 3) The product does not operate normally or exhibits a marked changed in performance, or
 - 4) The product has been dropped, or the enclosure has been damaged.
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A qualified professional should only install this product.

The WDMX-512 ProDiversity MUST be installed to provide a separation distance of at least 20cm from all persons and must not be collocated or operating in conjunction with any other transmitter or antenna. Only the antennae provided with the system are approved for use.

2. Check Product Contents.

Check product for complete contents. The following items should be included in the box.

- WDMX-512 ProDiversity (see components of WDMX-512 ProDiversity)
- SUBD 9 pole serial cable.
- 2 5-to-3-pole XLR converters.
- 2 Antennas
- Mains power cable
- HyperTerminal Configuration diskette and CD
- User manual

WARNING: All items are for indoor-use only.

2.1 Components of WDMX ProDiversity:

- Main PCB – The Main PCB is a micro controller PCMCIA Platform that is used to interface with the RF PC Card. It is used to control the PCMCIA firmware as well as transmitting and receiving DMX512 packets to wireless 802.11b, using the PCMCIA Card.
- Wireless RF card – The PCMCIA card is an 802.11b wireless radio module that is used to transmit all data intended for the link it is attached to.
- 2 Antennas – The 2 antennas are tuned for the 2.4 – 2.8 GHz frequency range. It has a gain of 5dBi.

2.2 Configuration

- The PCMCIA Card is inserted into WDMX-512 ProDiversity, The PCMCIA rails are keyed so as to avert a wrong insertion method.
- The Antenna feed lines are terminated with an MMCX reverse polarity plug that is used to connect to the PCMCIA's antenna jacks.

2.3 Mounting

- The antenna can be mounted on the front panel (A and B) with the use of the TNC reverse polarity plug on the antennas.
- The device is now connected and ready to go.

2.4 Connect All Cables

Connect cables as follows:

- XLR cable from a DMX controller can be connected to the DMX input.
- XLR cable can be connected to a DMX fixture from the DMX output.
- The mains power cable can be connected from a mains outlet to the MAINS input.

2.5 Configure Product.

Use the display and keyboard to directly select the radio channel, transmitter and receiver mode.

- 1) Select either transmitter (Tx) or receiver (Rx) mode by pushing the Rx/Tx bottom.
- 2) Select the desired radio channel (1-11) by pushing CH↑ for increment the channel or pushing the CH↓ for decreases the channel no.

Once the desired channel number and transmitter/ receiver mode has been selected, the WDMX-512 ProDiversity is ready to be used.

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