



## MONIVOX DATA INTERFACE

## MVX150

### PRODUCT

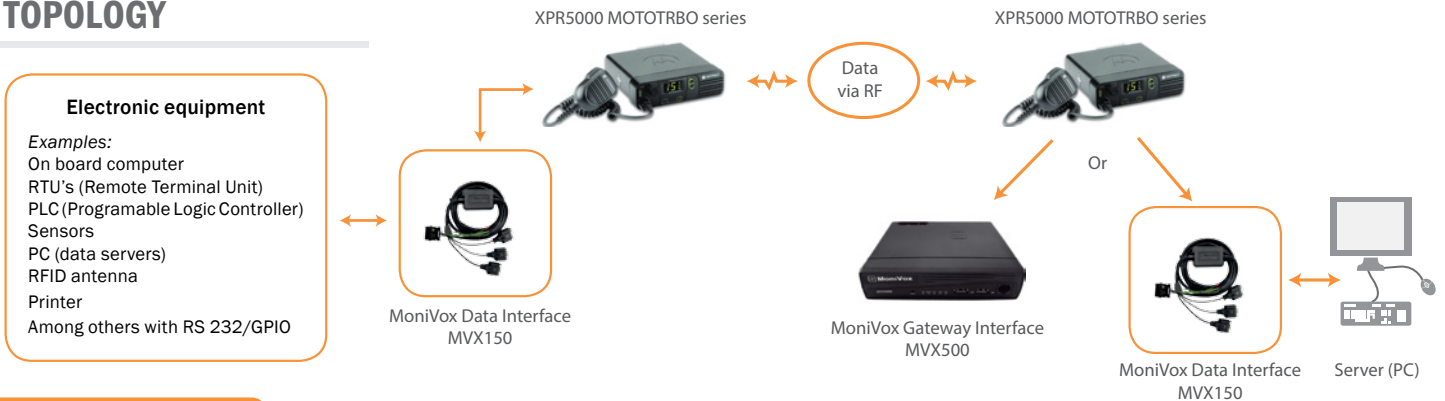


### DESCRIPTION

The **MoniVox Data Interface - MVX150** allows to capture and transfer data between electronic devices (equipped with RS232 and GPIO) and MOTOTRBO™ mobile digital radios or base stations. This interface allows the radio MOTOTRBO™ to act as a modem, transferring data from one radio to another.

Data can be stored in a PC or a data center, and could also be integrated with other custom MoniVox® applications.

### TOPOLOGY



### BENEFITS

#### GAIN

- Information in "real time";
- Remote access of data.

#### COST REDUCTION

- Uses radio as a modem;
- No data transfer cost.

#### VALUE ADDED

- Data transfer even from remote areas;
- Interaction with MOTOTRBO™ radios.

### MARKET NEED

- Solutions for SCADA data transmission from remote areas;
- The few existing solutions are complex and most of them have monthly data package costs.

### MONIVOX SOLUTION

- Designed an interface for data transmission using the MOTOTRBO™ Digital Two-Way Radio System;
- Take advantage of the MOTOTRBO™ DMR digital technology to transfer data from remote locations;
- Solutions with simple integration and without monthly data packet cost.

## COMPANY

MoniVox has presence in Brazil and the Americas and specializes in developing solutions for radio communication and data transmission. Our products are designed to satisfy specific vertical markets, and can be customized. Our goal is to provide innovative and efficient solutions that combine the technology of Motorola MOTOTRBO™ digital radios with the MoniVox® hardware intelligence and applications, in order to increase customer productivity and reduce costs. We are certified MOTOTRBODEV Motorola and ISV Zebra.

The MOTOTRBO™ radios are professional digital two-way radio system.

## TECHNICAL PRODUCT SPECIFICATIONS

- **Code:** MVX150
- **Description:** MoniVox Data Interface
- **Connections:**
  - MOTOTRBO Mobile XPR5000 series
  - Communication Ports IN/OUT:
    - 02 (two) RS232
    - 04 (four) GPIO programmable (IN – digital or analog, OUT – digital)
- **Storage memory:** 2Mb
- **Microprocessor:** AVR32®
- **Operational System:** proprietary MoniVox
- **Operating Temperature:** 32°F to 140°F
- **Power input:** Via MOTOTRBO radio (8 ~ 15VDC)
- **Speed:** 4800 bps
- **Weight:** 326 grams
- **Overall length:** 7 feet

## RS232 CONFIGURATION MODE

### COM1 and COM2

- **Terminator mode:** Timeout, Hexa decimal or Fixed length
- **Baud Rate:** 1200 to 115200
- **Data bits:** 7 or 8
- **Stop bits:** 1 or 2
- **Parity:** None, Even or Odd

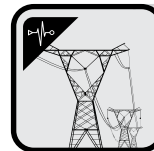
### Data transmission mode

- Unicast or Multicast

### Data revert channel

- MVX150 changes from voice to data channel, when transferring data.

## EXAMPLES OF APPLICATIONS



### UTILITIES

- Send information gathered in electrical substations or sanitary stations to the operations control center, via Motorola MOTOTRBO™ radio.



### AGRICULTURE

- Transmission of data collected by the on-board computer (installed on agricultural vehicles) to the operations control center, via Motorola MOTOTRBO™ radio.



### INDUSTRY

- Data Transmission from RTU's (PLC) of the industry to the operations control center, via Motorola MOTOTRBO™ radio.

## PRODUCT CERTIFICATIONS



MTBF > 50.000 horas

## MONIVOX CERTIFICATIONS



[www.monivox.com](http://www.monivox.com)

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