DMR921

USB <-> Serial Converter
for DMR two-way radio sets

ats Elektronik

Fig. DMR Radio with DMR921 Converter

Aplication

The new Motorola MotoTRBO DMR standard digital radio family provides interesting possibilities for a variety of applications requiring the transport of information over distances between 100m and several kilometres. Such applications work through a mobile radio and so can be in a fixed location or mobile.
Our interface unit DMR921 converts the USB interface on the MotoTRBO radio to an RS232 interface, allowing applications and hardware that only support RS232 to function over a DMR network.
The DMR921 converts the native USB interface on the MotoTRBO mobile radio into RS232, but also performs the necessary initialisation of the MotoTRBO USB interface.The radio may be configured and used with many applications by means of simple instructions sent via the serial interface.

Performance Features

- Change of channel and zone
- Volume adjustment and loudspeaker control
- Typing of text in the display
- Switching on/off of scanner functions
- Adjustment of transmitting power
- Use of emergency call functions
- Activation of the radio set call system
- Receipt of calls
- Remote control of radio sets
- Sending of text messages
- UDP data communication between radio set and a PC
- UDP data communication between two radio sets
- UDP broadcast data communication
- Data transparent mode
- Adjustable interface parameter

Technical Data

- USB interface for connection to a DMR two-way radio set
- RS232 interface, 9600/19200/38400 Baud,   8, n, 1
- Firmware flashable via serial interface
- Power supply 10 – 15 Volt DC
- Power feed via the radio set accessory   connector
- Current drain:approx. 70mA
- Operation LED in green colour (Power, USB Connected, Rx, Tx)
- Operating temperature -20°C....+60°C
- Storage temperature-40°C....+85°C
- Measurements: 70 x 60 x 30 mm
- Optional: 4 inputs / 4 outputs with programmable functions

MOTOTRBO™

All technical data and functions serve as orientation and may be modified without previous notice.