



RTX2-U2 PROGRAMMING

INTRODUCTION

Using the RTX2-U2 PC programming cable and software gives access to all programmable functions and features.

The RTX2-U2 programmer enables you to:

- Customise RTX2-U2 radio to your own requirements
- Input new settings, frequency data
- Read the settings of an already existing RTX2-U2 and store these data as files.
- Clone channel and other important information from one radio to another
- Gain access to a range of other product features

RTX2-U2 LINK MODULE

GETTING STARTED

When you receive your RTX2-U2 PC programming kit, make sure the following items are included:

- RTX2-U2 software (on 3.5" disk)
- Programming cable

TO RUN THE RTX2-U2 SOFTWARE

The programmer works on most IBM compatible PCs. However, the minimum software and hardware requirements you need to run RTX2-U2 successfully are:

DOS 3.0 or later

512K Bytes of memory

One parallel port

HARDWARE CONNECTION:

IMPORTANT! In order to access the programmer connector, you need to take off the upper cover. To do so, unscrew the four upper mounting screws located on the upper cover of the radio.

With the PC switched off, connect the programming cable /25-way D type connector/ to a vacant parallel communication port on the PC /typically on to the PC printer port /, and the 5-poled end of the programming cable to the programming socket of the RTX2-U2 transceiver.

For a smooth performance we suggest installing the RTX2-U2.exe directly onto the computer's hard disk. It will require approximately 400K of disk space.

Running software from hard disk :

The programming of the equipment is to be done while it is switched off. / without external Power Supply /

Start running the RTX2-U2. exe .

PROGRAMMING A RADIO

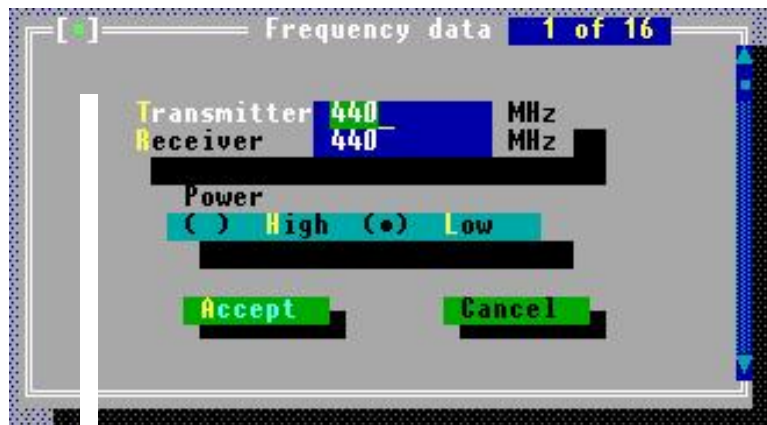
The programming screen consist of the following:

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SETTINGS



CHANNEL DATA



You can set 16 transmitter-receiver frequency-pairs in the 440-470 MHz band.

Selection of channels: with the up/down arrows.
You can select TX power either High: 2W or Low: 0.5 W for each of the channels.

PARAMETER



RX/TX in / PTT /

A: the transmission starts on low level /0 V/

B: the transmission starts on high level /+5V/

Where:

Low level: <1V

High level: >3.5V-15V

SCAN :

FREE CHANNEL

Starting from channel 1 / or which has the lower channel number/ it will search for a free channel among the preset channels.

preset channels: where both TX and RX frequency are set.

BUSY CHANNEL

Starting from channel 1/ or which has the lower channel number/ it will search for a busy channel among the preset channels.

NONE

The receiver will use the channel data, which is set by the DIPswitch.

BUSY CHANNEL LOCKOUT

If selected, you can only start sending a message if there is no present busy signal in the given channel.

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RASTER

5 kHz

The preset channels are located on a 5 kHz raster

6.25 kHz

The preset channels are located on a 6.25 kHz raster

TX TIME OUT

Limits the amount of time that the user can continuously transmit
/can be set from 10 seconds to 990 second /

DROP OUT

In SCAN FREE and SCAN BUSY CHANNEL mode the drop out time of the presence or absence of the busy detect signal can be set between 4-510 msec. /drop out time as result, the equipment will step on the next channel. /

PROGRAMMING

PORT SETTING



Here you can select which computer-port to connect the programming cable to. /LPT1.2, 3/

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LOAD



WRITE

This command programs the radio according to the above parameters.

Note: On programming a radio, all the information previously contained in the RTX2-U2 will be lost.

READ

The preset values/data can be checked or read from the settings of an already existing RTX2-U2. /for cloning/

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FILE menu



NEW

The input of new data .

SAVE

The preset data can be saved as bin. files
Type in the filename under which the data is to be saved .

OPEN

Open a saved bin. files
Radio data already saved to disk can be loaded into the PC.

EXIT

FCC RF EXPOSURE STATEMENT

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance of 20 cm. between the radiator and your body. Use only the supplied antenna.