PTC-IIusb

Effective Datatransmission over Shortwaves

The Multimode-Controller for PACTOR®-III*, PACTOR®-II, PACTOR®-I, AMTOR, NAVTEX, RTTY, CW, FAX, SSTV, AUDIO-Filter, Packet-Radio and PSK31

SCS
the pactor creators

The PTC-IIusb
Effective Datatransmission over Shortwaves

The PTC-IIusb allows direct connection to a USB interface of the modern notebook, and thus expands the SCS equipment program. The PTC-IIusb is constructed using existing equipment technology and its application is to be found mainly in the connection of clients. As a speciality, the PTC-IIusb is equipped with a transceiver control port, which allows remote control of the connected radio via software.

The Hardware

- Fully compatible to existing software by using a virtual COM port assigned by the USB driver.
- One single connector to the HF/VHF transceiver for all modes.
- Transceiver control for ICOM, YAESU, SGC, KENWOOD and Rohde&Schwarz, including RS232 for modern transceivers.
- Supported by Airmail/GetFax.
- Special JVCOMM32-Mode for optimum cooperation with JVCOMM32.
- Packet-Radio with 300, R600, 1200, 9600 and 19200 baud with built-in DSP.
- With two high performance processors from Freescale, the PTC-IIusb achieves outstanding flexibility.
- Sophisticated signal processing and analyzing maintains a stable HF link even during difficult propagation conditions.
- Temperature compensated crystal oscillator.
- Tuning bar display with 15 dual color LED lamps.
- 2 MB of static RAM.
- Electronic (silicon) serial number.
- Noise free HF reception by use of HF suitable construction, 6 layer multilayer board and filtering of all inputs and outputs.
- Compact SMD assembly.
- Flash-ROM for easy firmware updates.
- Dimensions: 125 W x 43 H x 183 D mm, 1.69 H x 6.81 W x 8.07 D inches.
- Weight: 740 g
- Power Supply: +10 to +20 V DC, 300 mA max. Reverse polarity protected. Fuse selfresetting.

PACTOR®-II

- Max. 1200 Bit/s, incl. data compression.
- Automatic adaption to the channel quality in 4 speed levels.
- Bandwidth 500 Hz.
- Use of the most modern transfer mode technics: convolutional coding, Viterbi-decoder, soft-decision and Memory ARQ allows error free data transfers even with inaudible signals.
- Automatic frequency correction of ± 80 Hz.
- Automatic adaption of the radio's transmit power to the channel quality is possible.

PACTOR®-III*

Like PACTOR®-II, but:

- max. 5200 Bit/s, incl. data compression.
- Automatic adaption to the channel quality in 6 speed levels.
- Bandwidth 2400 Hz.

Profile of a PACTOR® user:
German Yacht 'Iron Lady'
Nathalie Müller, kd7svt

ICOM 706, remote controlled by PTC-IIusb, PACTOR®III, SP: Winlink, Sailmail. Weather-Fax, Weather Grib Files.

"With the help of PACTOR® I am able to send our articles and travel reports to the sailing magazines also from the farest places of the world."

Robust HF-Packet

- Newly developed very robust modulation for HF-Packet-Radio and APRS.
- Max. 600 Bit/s.
- Automatic frequency correction of ± 250 Hz.

APRS

- Fully automatic APRS-Beacon

Includes installation manual, CD-ROM, cables and power plug.

*PACTOR®-III – Optional over license code.

Ansprechpartner / Contact Person: