



PTC-IIpro

The Classic PACTOR® Controller

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-IIpro

The Classic PACTOR® Controller



The PTC-IIpro is the valued all round multimode Pactor controller for all applications, including remote control of short wave transceivers. In addition to the known possibilities and good workmanship of our PTC product line, the PTC-IIpro distinguishes itself in particular through its two expandable Packet Radio modems. These allow simultaneous operation of up to 3 radios on the PTC-IIpro, and thus the construction of gateways, which, particularly in amateur radio, is of great interest. The new DSP-II-module allows operation of robust HF-packet**.

The Hardware

- With two high performance processors from Freescale, the PTC-IIpro achieves outstanding flexibility.
- Simultaneous standby in PACTOR, AMTOR and two separate Packet-Radio ports.
- Sophisticated signal processing and analyzing, maintains a stable HF link even during difficult propagation conditions.
- Temperature compensated crystal oscillator.
- Integrated audio amplifier with speaker output.
- Tuning bar display with 15 dual color LED lamps.
- 2 MB of static RAM, battery buffered.
- Upgradable with two Packet-Radio modems.
- Automatic baudrate detection to the terminal between 2400 and 115200 baud.
- Transceiver control for ICOM, YAESU, SGC, KENWOOD and Rohde&Schwarz, including RS232 for modern transceivers.
- 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.
- Freely programmable Mark- and Space tones.
- Flash-ROM update via the serial port.
- Dimensions: 172 W x 43 H x 205 D mm, 1.69 H x 6.77 W x 8.07 D inches.
- Weight: 765 g
- Power Supply: +10 to +20 V DC, 500 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 'Thalassa'
Bobby Schenk, DK8CL

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

"Since I started sailing in the
Mediterranean, I always exchange
my emails via my PTC. PACTOR®
has proven to be a very reliable and
the only affordable system."

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.

**Optional Packet-Radio DSP-Modul-II
(300, 600, 1k2, 9k6, 19k2)

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