



PACTOR-4

Highlights:

- Max. 10500 bps net
- 2x faster than P3
- Backward compatible
- 2400 Hz bandwidth
- Highly adaptive
- 10 Speedlevels
- High interference immunity
- 6 auto-notches
- Adaptive equalizer

P4dragon

Operating Modes:

- PACTOR-4
- PACTOR-3
- PACTOR-2
- PACTOR-1
- 2G ALE, MIL-STD-188-141 (optional)
- Packet-Radio
- Robust-Packet (RPR)
- APRS
- FM-FAX (Rx only)
- RTTY (Rx only)
- NAVTEX



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RELIABLE COMMUNICATION FROM ANY POINT ON EARTH



New: P4dragon 2G ALE and AES Firmware

2G ALE, the de facto standard for optimal frequency / band selection, is now available as an integral firmware update to our **P4dragon DR-7X00** HF modems. 2G ALE provides a complete automatic analysis of current propagation conditions on the shortwave bands, which relieves the user from having to guess the best channel when seeking to connect to a distant station.

The 2G ALE function has primarily been implemented for ease of use of PACTOR operation, i.e. as an automatic frontend for PACTOR connections. The switchover between the two protocols, 2G ALE and PACTOR, is carried out automatically by the modem.

The **Advanced Encryption Standard (AES)** option allows state-of-the-art data encryption, now embedded directly in the **SCS** HF modems - i.e. native encryption of PACTOR connections at the modem level.

The ALE firmware provides 100 free ALE trial links before an ALE license is required.

For an in depth description please have a look at

- [2G ALE and AES datasheet and prices](#)
- [2G ALE firmware manual](#)
- [AES manual](#)
- [Feature Licenses HowTo](#)
- [SCSchat_ALE manual](#)

The P4dragon DR-7X00 Modems

The **SCS P4dragon DR-7800** is our superior class short-wave modem for PACTOR-4. P4dragon stands for the most ingenious data transfer algorithms and the highest computing power possible in PACTOR controllers of the 4th generation.



Due to its compact construction and focussing on the most important features, the **P4dragon DR-7400** offers a lower-priced entry to the P4dragon modem class.



The fast quad-core DSP used in the DR-7X00 modems enables for the very first time, a high data rate, approaching very close to the Shannon limit, as well as an extremely high immunity to interference. PACTOR-4, with its 10 speed levels and adaptive equalizer, adjusts itself ideally to varying channel conditions, and guarantees reliable data transfer even under very poor propagation conditions. Due to this high reliability, **P4dragon** modems allow transmission of safety relevant data via shortwave, and provide an excellent value for money when compared to many satellite services.



SCS

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Worldwide



Wireless



Communications

