

**TECHNICAL BULLETIN****Date:** April 12<sup>th</sup>, 2009**Equipment:** **EP 3000 DVB-S** (software versions W)**Software version:** W 8.4**Previous version:** W 8.3**UPGRADES AND MODIFICATIONS:****MODIFICATIONS**

- If the Common Interface is installed on the equipment, this is indicated in the Configuration menu
- Introduction of other TPSAT (see technical note)

**TECHNICAL NOTE ABOUT TPSAT**

- To select the satellite: use CH-FR menu
- To select the transponder: long pressure of SPN- key: the display of satellite is activated. Scroll transponders turning the Shaft Encoder.
- To exit the function: long pressure on SPN- key again.
- You can exit the function also setting one of the following functions: Frequency, Local Oscillator, 22kHz, LNB tension, LNB activation or deactivation, programme change.
- The local oscillators for TPSAT function are:  
OL4A = 10600 OL4B = 9750  
OL4C = 10700 OL4D = 11300 (Australia)
- Scrolling programmes in Spectrum mode, if the programme is set on TPSAT, the TPSAT and the TPID appear for a short time
- In the digital mask, MODE and TPSAT items have been added.
- Scrolling transponders, also DVBS2 ones can be syntonised; however, if they are selected in MODE item for digital measures (BER, etc.), “NO DEVICE” error is indicated
- Following serial commands have been added:
  - TPSAT [?|X]  
Setup/satellite request. X: orbital position of the desired satellite. X = OFF deactivates TP use. Satellite.
  - TPCH[?|X]  
Setup/channel request TP. x = transponder for the selected satellite. x = ALL, it displays all transponders of the selected orbital position.

- PROGRAM TPSAT X  
It sets the satellite inside the programme. X represents the satellite's orbit. PROGRAM TPCH X
  - PROGRAM TPCH X  
It sets the tpsat channel's id. x is the order number of the satellite.
  - If we use a serial command which modifies frequency, local oscillator, Inb, 22kHz, analogue/digital, symbol rate, DVB-S or DVB-S2 card, the TPSAT is deactivated, if already activated, inside the current programme.
1. Inside the programme menu, upgrade (long pressure of "PR" key) of the correct frequency recall passing from analogue to digital inside the satellite range.
  2. Optimisation of the management of "double marker " and of the calculation of cable length (distance of an impedance mismatch) when both markers are set on digital mode.