

TECHNICAL BULLETIN

Date: September 04th, 2009
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Equipment: AP 01	Previous version: M 3.5.0
Software version: M 3.6.0	

UPDATES

- **Correction of the frequency of channels in BIII in the CCIR BG EUROPA channelization on Digital mode**

MODIFICATIONS

- **Improvement of input performance in the digital masks in case of emulation (see *User note 1*).**
- **Introduction of a new function: Auto-Restart of LNB in case of short circuit (see *User note 2*).**
- **Introduction of EVM and SNR measure in Satellite band in the digital mask.
These measures are added to the Data Logger, too, and also in case of emulation.**
- **Update of function TERRESTRIAL-CHANNEL SEARCH (see *User note 3*).**

*User note 1:***Single pressure of DIGI key:**

- in Terrestrial band, the OFDM or QAM module (according to the model) is activated;

equipments without any digital module show the menu to select emulated measures;

- in Satellite band the DVB-S2 module is activated if it is installed; otherwise the emulation is activated.

Long pressure on DIGI key:

- in Terrestrial band the menu to select emulation/activation is activated;

- in Satellite band the DVB-S2 module is activated if it is installed; otherwise the emulation is activated.

User note 2:

In the LNB menu, a submenu "Auto Restart" with the following items has been added:

- "ON/OFF": activation or deactivation of the Auto Restart function
- "Nr. Attempts": it sets the number of attempts, from a minimum of 1 to a maximum of 16, made to reset the switching on of LNB.
- "Time Span": it sets the time span between one attempt and the next, from a minimum of 15 sec. to a maximum of 50 sec. with 5 sec.-steps.

If the "Auto Restart" function is active, in case of short circuit of the LNB, the latter is deactivated and reactivated according to the user's settings. The monitor also displays the number of remaining attempts and the count of elapsed seconds before reactivating the LNB.

The reactivation is carried out until attempts are run out. If the short circuit occurs also on the last attempt, the LNB is held deactivated.

If during the activation of the LNB, in Auto Restart, there is no short circuit, the LNB is left as active, deleting short-circuit notices

Moreover, an internal timer is activated; it keeps active the count of attempts made until that moment to restart the interrupted count when there is any short circuit in the timeout period.

During the "Auto Restart" period, if the LNB key is pressed the LNB and the "Auto Restart" function are deactivated.

User note 3:

You can exit the Channel Search in 3 different ways:

1] using the option "EXIT" from the side menu (which can be activated through MENU key)

2] using the ENTER key

3] using the SPECT o MEA o TV keys through the cursor on the channel-search table.

In case 1] the function is finished. In case 2] the meter goes to MEASURE or DIGI according to the position of the cursor (digital channel or analogue channel). In case 3] the meter exits the channel-search function and goes to SPECTRUM or MEASURE or TV function, according to the selected key. The label "SC" will appear on the status bar (instead of PR), indicating of the sequence number of the channel-search table. Through the shaft encoder, you can scan the detected channels in the selected function. You can also use another function while scanning the detected channels. In the latter case, the SC label disappears and the PR label appears; you can go back to the scan function pressing CH or FR or PR key.