

## HD TAB 7 LITE, HD TAB 7 EVO and HD TAB 4 TOUCH: Wide Band & dSCR/dCSS setup

The **Wide Band LNB** has only two polarizations: Vertical and Horizontal. The concept of high and low band disappears with these LNBs since low and high bands are stacked together on a wider band: 230-2350 MHz. There is only one Local Oscillator at 10410 MHz for both polarizations. Wideband is often associated to Multiswitches and LNBs that support **dCSS** and/or **dSCR** signal protocols in order to feed, with one coax cable, multiple STBs or one SKYQ™ STB.

### 1) HD TAB 7 LITE and EVO: WIDE BAND SETUP

Update your meter with the latest available Firmware: greater than version 2.33 and upload to your meter the “chn” memory PLAN with the SMART PC interface programme. The “chn” files are constantly updated, in our web site [www.roverinstruments.com](http://www.roverinstruments.com) in the update software area.

There are two published files in our website: one is to be used when connected to a Wide Band LNB, the other when using a dSCR multiswitch. Both files are named clearly with a suffix: “L” for LNB or “M” for MULTISWITCH (Ref. fig.2)

- Press the “Volume” key to access the configuration menu and select SAT, set the “LNBL.O.” as “WIDEBAND” (ref. fig. 1).

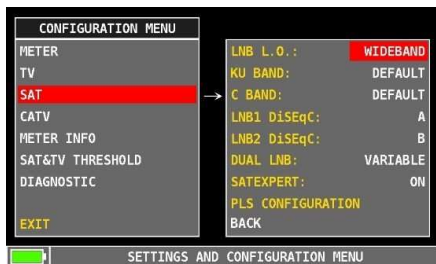


Fig.1

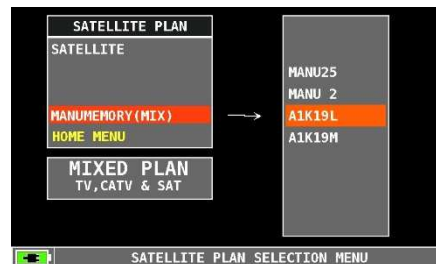


Fig.2

- Press the PLAN key and select the “chn” PLAN mentioned above. In the example of fig. 2 there are the two files mentioned above in the Manu Memory section of the Satellite Plan: “A1K19” with a suffix “L” if it is to be used connected to a Wide Band LNB or “M” if you are connected to a dSCR Multiswitch. The file with the “L” suffix has all transponders sorted by polarization. This will make it easier to work with a WB LNB. The file with the “M” suffix has all transponders sorted by Frequency.
- Go to SPECTRUM or SAT measurement mode and start working with the WB LNB.

### LOGGER with a WB LNB:

To run a logger with a WB LNB use the “SOTP&GO” logger feature. In the main menu select the “MEMORY” icon and from the resulting MENU, select for the “SAVE DATA LOGGER” entry “TV&WbandLNB” (ref. fig.3). Then follow the instructions the meter will display.

#### NOTES:

- You will be able to measure all transponders within the converted “L” band frequency of the meter: 930 and 2600 MHz, If by any reason a transponder frequency is out of the meter frequency range, “12660?” will appear as a frequency value for that transponder.
- The “chn” MEM plan transponders contains only those transponders that are inside the converted “L” band of the meter.
- If you select any other satellite in the pre-memorized “SATELLITE PLAN” list, you may work with a Wide Band LNB but transponders will not be grouped as Vertical and Horizontal. You may do this grouping by utilizing the SMART programme.

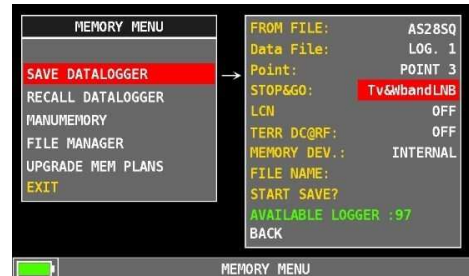


Fig.3



Fig.4

### dSCR SETUP:

- From the main menu, select the “SPECIAL” icon.
  - select “dSCR-SKY UK” LNB TYPE for “SAT SCR/dCSS” (ref. fig.4).
  - Then select one of the 16 available USER frequencies.
  - Go to SPECTRUM or MEAS mode and start measuring.
  - On the bottom left side of the screen, the selected User Band will be displayed during your measuring activities (ref. fig 2).
- To test all user bands at once, select “TEST” (ref. fig.4) and all 16 User bands will be tested at once (ref. User’s Guide).

## 2) HD TAB 4 TOUCH Wide Band SETUP

Update your meter with the latest available Firmware: greater than version 2.33 and upload to your meter the “chn” memory PLAN with the SMART PC interface programme. The “chn” files are constantly updated, in our web site [www.roverinstruments.com](http://www.roverinstruments.com) in the update software area.

There are two published files in our website: one is to be used when connected to a Wide Band LNB, the other when using a dSCR multiswitch. Both files are named clearly with a suffix: “L” for LNB or “M” for MULTISWITCH (Ref. fig.6)

- Press the “Volume” key to access the configuration menu and select **SAT**, set the “LNBL.O.” as “WIDEBAND”, (ref. fig. 5).



Fig.5

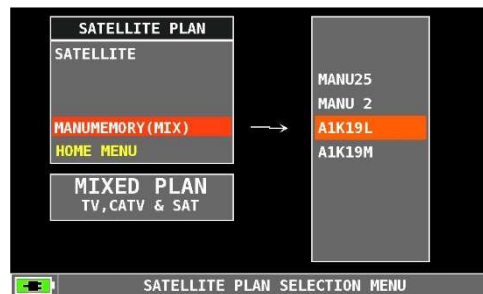


Fig.6

- Press the PLAN key and select the “chn” PLAN mentioned above. In the example of fig. 6 there are the two files mentioned above in the Manu Memory section of the Satellite Plan: “A1K19” with a suffix “L” if is to be used connected to a Wide Band LNB or “M” if you are connected to a dSCR Multiswitch. The file with the “L” suffix has all transponders sorted by polarization. This will make it easier to work with a WB LNB. The file with the “M” suffix has all transponders sorted by Frequency.
- Go to SPECTRUM or SAT measurement mode and start working with the WB LNB.

### LOGGER with a WB LNB:

To run a logger with a WB LNB use the “SOTP&GO” logger feature. In the main menu select the “MEMORY” icon and from the resulting MENU, select for the “SAVE DATA LOGGER” entry “TV&WbandLNB” (ref. fig.7). Then follow the instructions the meter will display.

#### NOTES:

- You will be able to measure all transponders within the converted “L” band frequency of the meter: 930 and 2150 MHz, If by any reason a transponder frequency is out of the meter frequency range, “12660?0” will appear as a frequency value for that transponder.
- The “chn” MEMplan transponders contains only those transponders that are inside the converted “L” band of the meter.
- If you select any other satellite in the pre-memorized “SATELLITE PLAN” list, you may work with a Wide Band LNB but transponders will not be grouped as Vertical and Horizontal. You may do this grouping utilizing the SMART programme.



Fig.7

### dSCR setup:

- Select “SAT SCR/dCSS” in the Configuration menu.
- Choose “dSCR-SKY UK” LNB TYPE (fig.8).
- Select one of the 16 available USER frequencies.
- Go to SPECTRUM or MEAS mode and start measuring.
- On the bottom left side of the screen, the selected User Band will be displayed during your measuring activities (ref. fig 6).
- To test all user bands select “TEST” (ref. Fig. 6) and all 16 frequencies will be checked at once as described in the User’s Guide.

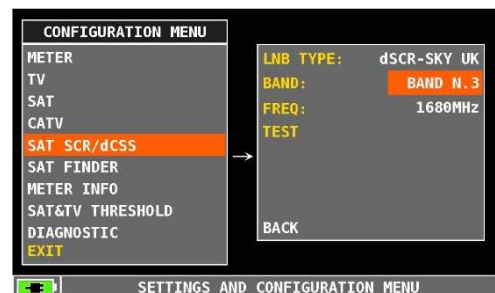


Fig.8