

SATHUNTER+ CONFIGURATION

This instrument operates in 3 steps.

- 1.- Detection. It works as a wide band detector
- 2.- Identification. The instrument is preset with some satellite transponder IF frequencies. It tunes to those frequencies, get the transport stream, obtains information from some of the tables contained in the transport stream and displays the identification of the transponder on the display.
- 3.- Optimization. Based on measurements performed after digital demodulation user can optimize both the skew and fine tune the dish.

CONFIGURATION NAME (for internal use only)	VERSION (for internal use only)
DEUT0001	12

The preset of the IF frequencies in step 2 can be made via software (by the user) or can be ordered to the factory and it is very important. If I want to be able to align a specific service I need to select an IF frequency of one of the transponders carrying that service and preset the corresponding parameters as well (symbol rate, code rate, etc...).

Following table shows the required data to be filled up for pre-configured factory orders:

TEST POINT	NAME (8 characters)	FREQUENCY (IF, MHz)	LNB VOLTAGE	22 KHz (Yes or No)	FEC (2/3, 3/4, ...)	SYMBOL RATE	DVB (S/S2)	Const (8PSK/QPSK)
TP0	19,2_DIG	1126,0	13V	NO	5/6	22000	DVB-S	QPSK
TP1	19,2_PRE	1314,0	18V	YES	9/10	27500	DVB-S2	8PSK
TP2	19,2_MTV	1139,0	13V	YES	3 /4	27500	DVB-S	QPSK
TP3	19,2_ORF	2092,0	18V	YES	5/6	22000	DVB-S	QPSK
TP4	13_CYFRA	969,0	13V	NO	3 /4	27500	DVB-S	QPSK
TP5	13_RTLCH	1305,0	18V	NO	5/6	27500	DVB-S	QPSK
TP6	13_ITALY	1396,0	13V	YES	2/3	27500	DVB-S2	8PSK
TP7	23,5_HD5	1092,0	13V	NO	3 /4	13333	DVB-S2	8PSK
TP8	42_TRT	1319,0	13V	YES	3 /4	24444	DVB-S	QPSK
TP9	42_D-SMA	2052,0	18V	YES	5/6	22500	DVB-S	QPSK
TP10	28,5_SKY	2007,0	18V	YES	2/3	27500	DVB-S	QPSK
TP11	28,2_NEW	1607,0	13V	YES	2/3	27500	DVB-S	QPSK
TP12	16_STN	2126,0	13V	YES	3 /4	30000	DVB-S	QPSK
TP13	10_ADJA	1410,0	18V	NO	3 /4	2170	DVB-S	QPSK
TP14	7_GLOBE	1533,0	13V	NO	3 /4	27500	DVB-S	QPSK
TP15	4,8_VIAS	1358,0	18V	YES	3 /4	27500	DVB-S	QPSK