

## micro line

### MLF-100

4xDVB-S/S2/T/T2/C to 4xDVB-T/C



#### Features

- 4 x independent multi-standard inputs DVB-S/S2/T/T2/C
- 4 x RF output DVB-T/C (software selectable)
- "Pool" technology
- MER value > 42dB
- PID filtering
- Dual power supplies offering redundancy mode
- Custom NIT/SDT
- Local or remote control via webserver
- Very friendly user interface
- Wall or rack mount options
- SNMP v2
- Ultra-compact size
- 5-year warranty

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# MLF-100

## 4xDVB-S/S2/T/T2/C to 4xDVB-T/C

- The MLF-100 is a very powerful, all-in-one mini headend device, able to receive up to 4 independent satellite (DVB-S/S2), terrestrial (DVB-T/T2) or cable (DVB-C) signals and convert them either in 4 x DVB-T/C RF output channels.
- It supports "pool" technology, meaning that the user is able to select any program from any of the 4 inputs and assign them to any of the 4 RF providing great flexibility.
- The embedded web server of the MLF-100 provides a very friendly user interface as well as the ability of remote or local control of the device via LAN.
- Its small size and its powerful features render the MLF-100 the ideal solution in case we want to distribute FTA (Free-To-Air) TV programs coming from satellite (DVB-S/S2), terrestrial (DVB-T/T2) or cable (DVB-C) sources to a CATV installation using the DVB-T/C.

## Technical Specifications

Input		RF Output
Type	4 x DVB-S/S2/T/T2/C	
Frequencies	950...2150 MHz DVB-S/S2 118...900 MHz DVB-T/T2/C	4 x RF out in adjacent channels 110...950 MHz (1 Hz step)
Connector	75Ω - F, female	90dBuV
<b>LNB</b>		75Ω - F, female
Voltage	OFF / 13V / 18V	0...-20dB
Current	Less than 400mA	More than 42dB
22 kHz signal	On / Off	
22 kHz signal - Voltage	0.65V ±0.35V	
22 kHz signal - Frequency	22 KHz ±4Hz	
22 kHz signal - DiSEqC	1.0 (Port A, B, C, D)	
<b>DVB-S (IN)</b>		
Symbol rate	1 - 45 MBaud	
Roll off factor	0.2, 0.25, 0.35	
Code rate	1/2, 2/3, 3/4, 5/6, 7/8 (Automatic)	
Spectral inversion	Reverse, Non-reverse (Automatic)	
<b>DVB-S2 (IN)</b>		
Constellation	QPSK, 8PSK (Automatic)	
Symbol rate	1 - 55 MBaud (QPSK) 1 - 45 MBaud (8PSK)	
Roll off factor	0.2, 0.25, 0.35 (Automatic)	
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK-Automatic) 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK-Automatic)	
Spectral inversion	Reverse, Non-reverse (Automatic)	
<b>DVB-T (IN)</b>		
Bandwidth	6, 7, 8 MHz	
Mode	2K, 8K	
Constellation	QPSK, 16QAM, 64QAM	
Guard interval	1/4, 1/8, 1/16, 1/32	
Code rate	1/2, 2/3, 3/4, 5/6, 7/8	
<b>DVB-T2 (IN)</b>		
Bandwidth	5, 6, 7, 8 MHz	
Mode	1K, 2K, 4K, 8K, 16K, 32K (Included extended mode)	
Constellation	QPSK, 16QAM, 64QAM, 256QAM	
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6	
<b>DVB-C (Annex A,B,C) (IN)</b>		
Bandwidth	5, 6, 7, 8 MHz	
Mode	Automatic modulation detection	
Constellation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM	
<b>Transport Stream Processing</b>		
Services	User selection by service names	
Automatic regeneration	PAT, CAT, SDT, PMTs, EITs tables	
NIT	Pass-through, custom-automatic re-stamping	
PCR	Yes	
LCN support		
		

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