

CHP - Compact High Performance Headends DVB Headend

- ✓ Independent multituner inputs
- ✓ Transmodulates DVB-S/S2/S2x/T/T2/C into DVB-C or DVB-T
- ✓ Output modulation configurable
- ✓ Remux | Crossmultiplex
- ✓ LCN sorting, PID filtering* and NIT function*
- ✓ Web-based configuration
- ✓ Suitable for AXING SMARTPortal
- ✓ Supports SNMP
- ✓ Interface for CASimulcrypt Server*
- ✓ Can be used for wall mounting or as a 19" unit

* Software extension required

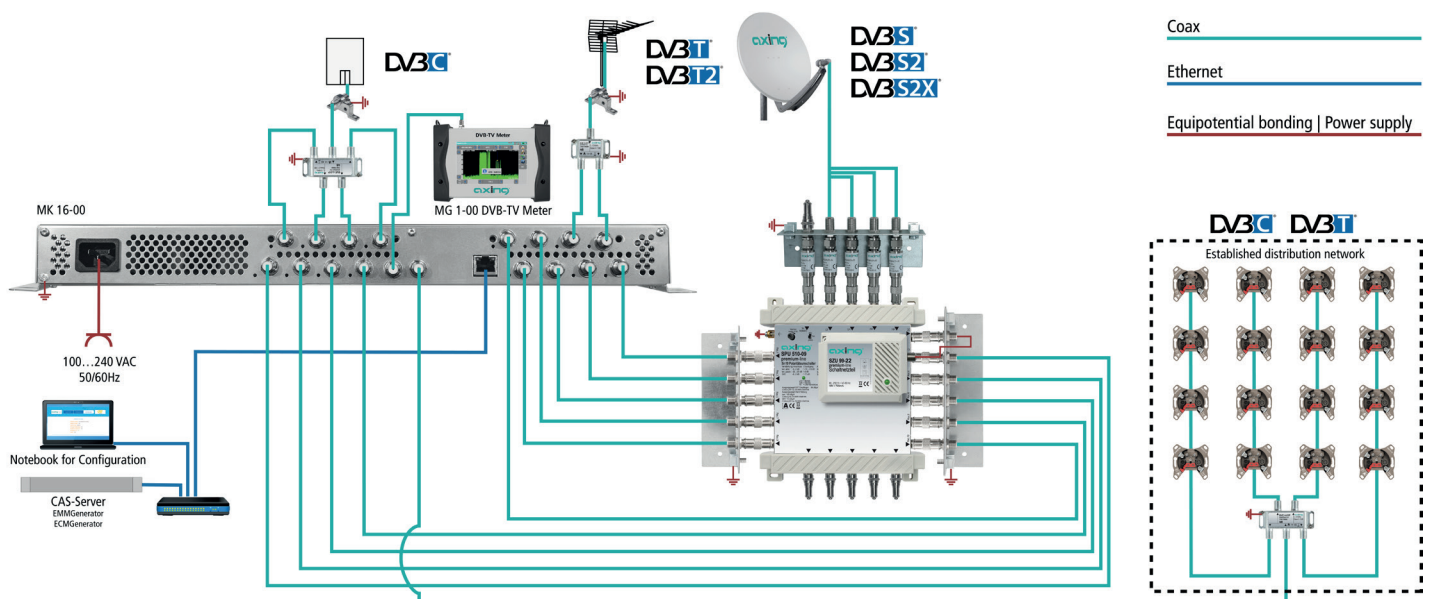


Available devices:

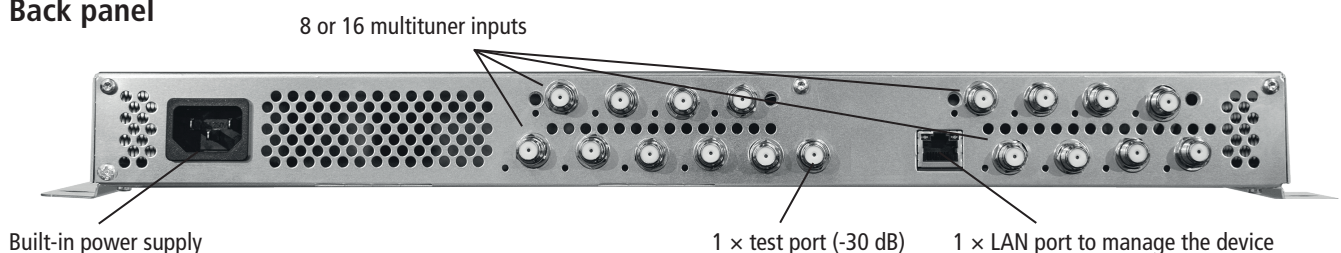
- MK 8-00 | 8 × DVB-S/S2/S2x/T/T2/C into 8 × DVB-C/T
- MK 8-06 | 8 × DVB-S/S2/S2x/T/T2/C into 8 × DVB-C/T | 6 × CI
- MK 16-00 | 16 × DVB-S/S2/S2x/T/T2/C into 16 × DVB-C/T
- MK 16-06 | 16 × DVB-S/S2/S2x/T/T2/C into 16 × DVB-C/T | 6 × CI

Accessories:

- MKS 1-00 | Software extension to edit a NIT
- MKS 1-01 | Software extension for PID filtering
- MKS 1-02 | Software extension for CASimulcrypt
- MKS 8-16 | Software for extension from 8 to 16 modulators
- MKZ 1-00 | Front panel for 19" usage of MK xx-00
- MKZ 1-01 | Front panel for 19" usage of MK xx-06 | CI



Back panel



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Type	MK 8-00	MK 8-06	MK 16-00	MK 16-06
Inputs				
Number of tuner	8 × DVB-S/S2/S2x/T/T2/C	8 × DVB-S/S2/S2x/T/T2/C	16 × DVB-S/S2/S2x/T/T2/C	16 × DVB-S/S2/S2x/T/T2/C
Connector	8 × F-female	8 × F-female	16 × F-female	16 × F-female
Frequency range		900...2150 MHz @ DVB-S/S2/S2X 50...898 MHz @ DVB-C 50...898 MHz @ DVB-/T/T2		
Channel bandwidth	5/6/7/8 MHz @ DVB-T/T2	5/6/7/8 MHz @ DVB-T/T2	5/6/7/8 MHz @ DVB-T/T2	5/6/7/8 MHz @ DVB-T/T2
Input level		43...84 dBμV @ DVB-S/S2/S2X 49...84 dBμV @ DVB-C 39...84 dBμV @DVB-/T/T2		
LNB voltage		13/17 V; 22 kHz on/off; DiSEqC 1.0		
Max. LNB current		150 mA per input 1000 mA per device		
CI slots	-	6	-	6
Input modulation				
Type		QPSK/8PSK/ 8APSK/16APSK/32APSK @ DVB-S/S2/S2X QAM16, QAM32, QAM64, QAM128, QAM256 @ DVB-C QPSK, QAM16, QAM66 @ DVB-T QPSK, QAM16, QAM64, QAM256 @ DVB-T2		
Compliance		DVB-S = EN 300 421 DVB-S2 = EN 302 307-1V1.4.1 DVB-S2X = EN 302 307-2V1.1.1 DVB-C = EN 300 429/ITU-TJ.83 Annex A/C DVB-T = EN 300 744 DVB-T2 = ETSI EN 302 755		
Supported input transport streams		MPEG-2 ISO/IEC 13818 MPEG-4 ISO/IEC 14496		
Error correction		auto		
Symbol rate		1.5...45 MS/s (<40MSymbol/s in 32APSK) @ DVB-S 1...7.2 Mbaud @ DVB-C		
Transportstreams				
Modifiable program information		Program name, SID remapping, PID remapping, PID filtering* TSID, ONID		
LCN		Yes		
NIT handling @ DVB-C		auto off manual*		
Encryption		DVB-CSA, DVB-CISSA, ATIS-IDSA, AES-ECB, AES-CBC		
Output				
Number of channels	8 × DVB-C/DVB-T	8 × DVB-C/DVB-T	16 × DVB-C/DVB-T	16 × DVB-C/DVB-T
Frequency range		109...1006 MHz @ DVB-C 109...862 MHz @ DVB-T		
Channels selectable		S2...K87 @ DVB-C S2...K69 @ DVB-T		
Channel bandwidth	7 MHz, 8 MHz @ DVB-T	7 MHz, 8 MHz @ DVB-T	7 MHz, 8 MHz @ DVB-T	7 MHz, 8 MHz @ DVB-T
Possible frequency shift		-4...+4 MHz (0.5 MHz steps)		
Connector		1 × F-female		
Test port		1 × F-female (–30 dB)		
Impedance		75 Ω		
Output level adjustable		80...100 dBμV @ DVB-C 77...98 dBμV @ DVB-T		
Output modulation				
Compliance		DVB-T (EN 300 744) DVB-C (EN 300 429/ITU-TJ.83 AnnexA/C)		
Type		32QAM, 64QAM, 128QAM, 256-QAM @ DVB-C 16QAM, 64QAM @ DVB-T		
MER		≥ 40 dB @ DVB-C ≥ 36 dB @ DVB-T		
Bit rate, max		50.87 Mbps @ DVB-C 31.668 Mbps @ DVB-T		
FFT		2K mode @ DVB-T		
FEC		1/2, 2/3, 3/4, 5/6, 7/8 @ DVB-T		
Guard interval		1/4, 1/8, 1/16, 1/32		
Symbol rate		1...7.5 MBauds/s		
Interfaces				
Control/CAS		1 × RJ-45		
Compliance Control/CAS		IEEE 802.3, 100 Base-T		
Supported configuration protocols		HTTP, SNMP v1, SNMP, v2c, AXING SMARTPortal**		
General				
Operating voltage		100...240 VAC/50...60 Hz		
Power consumption	50 W	50 W	60 W	60 W
Equipotential bonding connection		4 mm²		
Operating temperature range (acc. to EN 60065)		-10°C...+50°C		
Dimensions (W × H × D) appr.		480 × 253 × 47 mm		
Weight	2.55 kg	2.80 kg	2.90 kg	3.15 kg
Comments		* with software extension only ** encrypted, cloud-based application for configuration, monitoring and remote maintenance		