




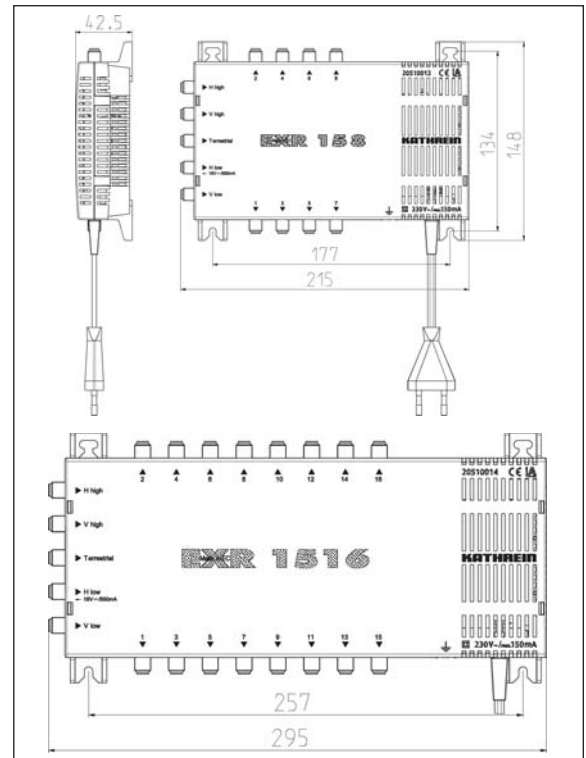
Sat IF Distribution System Multiswitch



Multiswitch

EXR 156	20510011	  
EXR 158	20510012	
EXR 1512	20510013	
EXR 1516	20510014	

- Multiswitch for distribution of 4 Sat levels and terrestrial signals to 6, 8, 12 or 16 connections
- Only one drop cable per receiver needed (two for twin receivers)
- Independent horizontal/vertical, low/high selection from each receiver
- Switching via coaxial cable at 14/18V and 0/22 kHz signal frequency
- Integrated amplifier for low attenuation in Sat and terrestrial signal range
- Integrated pre-emphasis to equalise cable attenuation
- Terrestrial signals also receivable with Sat receiver switched off
- High decoupling between outputs
- Remote feed via horizontal low input. All other inputs are DC blocked (enabling operation with UAS 485).
- Low power consumption due to high-efficiency short-circuit-proof switch-mode power supply unit
- For indoor installation



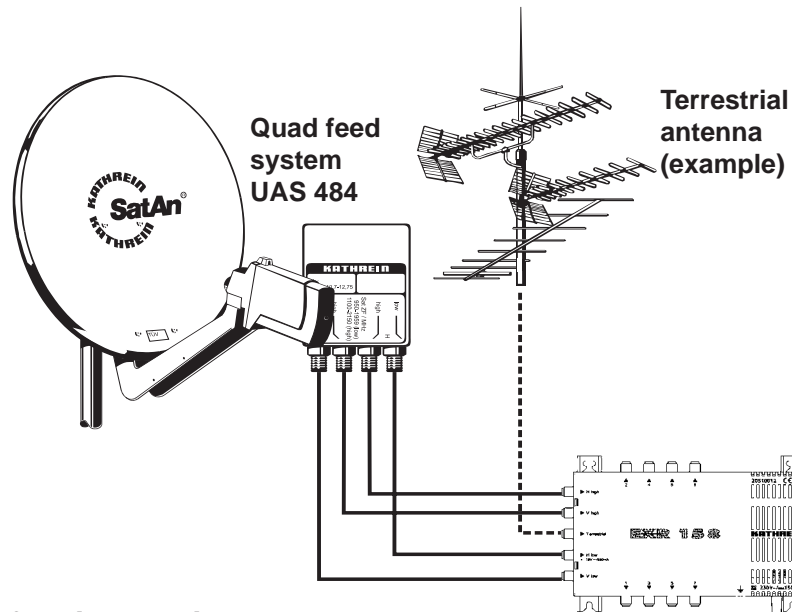
Type		EXR 156		EXR 158		EXR 1512		EXR 1516	
Order no.		20510011		20510012		20510013		20510014	
Subscriber connections		6		8		12		16	
Inputs		1 x terr.	4 x Sat-ZF	1 x terr.	4 x Sat-ZF	1 x terr.	4 x Sat-ZF	1 x terr.	4 x Sat-ZF
Frequency ranges	MHz	47-862	950-2150	47-862	950-2150	47-862	950-2150	47-862	950-2150
Attenuation ¹⁾	dB	4-0	12-7	4-0	12-7	8-4	12-7	8-4	12-7
Horizontal/vertical isolation	dB	-	25	-	25	-	25	-	25
Output isolation	dB	25	25	25	25	25	25	25	25
Max. output level ²⁾	dBμV	95	105	95	105	89	105	89	105
Screening factor	dB	5-300 MHz > 85, 300-470 MHz > 80, 470-1000 MHz > 75, 1000-2150 MHz > 55							
Vertical/horizontal input control	V	12-14.5/16-19							
Low/High band control	kHz	0/22							
Current consumption per subscriber	mA	< 25							
Nominal input voltage	V	198-253							
Nominal input power (max./only with UAS 484)	W	14/6.5							
Secondary voltage ³⁾	V	18							
Max. total remote feed current ³⁾	mA	550							
Protection class/protection type		II (totally insulated)/IP 30							
Permissible ambient temperature	°C	-20 to +55							
Connections		F connectors							
Dimensions, W x H x D	mm	215 x 148 x 43				295 x 148 x 43			
Packing unit/Weight	units/kg	1 (10)/0.65				1 (10)/1.0			

¹⁾ Frequency-dependent attenuation (pre-emphasis)

²⁾ Terr. acc. to EN 50083-5, 60-dB-KMA; SAT acc. to EN 50083-3, 35-dB-IMA

³⁾ Via horizontal low input

System example:



Installation and safety instructions:



- The equipment described is designed solely for the installation of satellite receiver systems.
- Any other use, or failure to comply with these instructions, will result in voiding of warranty cover.
- The equipment may only be installed in dry indoor areas. Do not mount on or against highly combustible materials.
- The equipment must be provided with an earthing wire (Cu, at least 4 mm²).
- The safety regulations determined in the appropriate valid EN 60728-11 and EN 60065 must be observed.
- Fixings: Wood screws, max Ø: 4.5 mm
- Connector: Screw coupling 75 Ω (series F) to IEC 60169.
- **Unused subscriber connections should be closed off by 75 Ohm resistors (e.g. EMK 03).**



Current-carrying unit

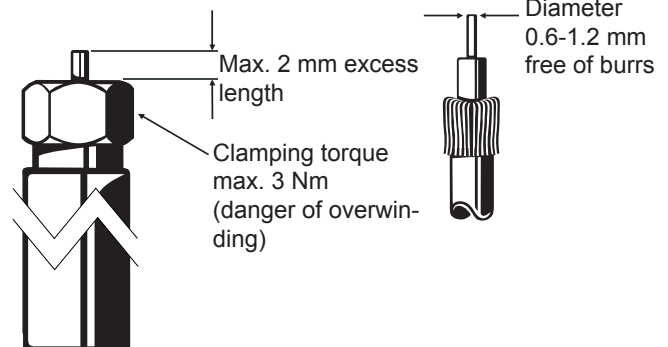
- Do not open or manipulate the unit!
- When working on the system always unplug the mains plug from the wall outlet!
- Ensure adequate clearance! min. 5 cm to all sides!
- Do not install upside-down.
- Free circulation of air must be possible to discharge the heat emitted by the unit.
Risk of overheating!
- Permissible ambient temperature -20..+50°C

Attention:

- No liquid-filled items may be placed on top of the power supply unit.
- The power supply unit must not be exposed to dripping or splashing water.
- The mains plug must be easily accessible and operable.



- If the inner cable conductor diameter is greater than 1.2 mm or in case of burr, the device sockets may be destroyed.



Electronic equipment is *not household waste* - in accordance with directive 2002/96/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of 27th January 2003 on used electrical and electronic equipment, it must be disposed of properly.

At the end of its service life, take this unit for disposal at a designated public collection point.