Assembly Instructions

English

Grundig SAT Systems

Multiswitches

Single Multiswitches

SDSP 932
SDSP 924

KLASSE A CLASS

CE

GSS
Grundig SAT Systems GmbH
Beuthener Strasse 43
D-90471 Nuremberg

Phone: +49 (0) 911 / 703 8877
Fax: +49 (0) 911 / 703 9210
E-mail: info@gss.de
Internet: http://www.gss.de

1 Important information on the safety and assembly

- Assembly and servicing should be carried out by electricians.
- Check the system for short circuits in the coaxial cables before starting up.
- Only install the system when it is not connected to the mains supply (230V).
- Mount the multiswitch…
  - on a non-flammable background (wall),
  - in a dust-free, dry environment,
  - in such a manner that it is protected from moisture, fumes, splashing water and dampness,
  - somewhere protected from direct sunlight,
  - not within the immediate vicinity of heat sources,
- Make sure the input levels of the SAT stages are as equal as possible.
- Beware of short circuits!
- No liability is accepted for any damage caused by faulty connections or inappropriate handling.
- Observe the relevant standards, regulations and guidelines on the installation and operation of antenna systems.
- The standards IEC/EN/DIN EN 61319-1, IEC/EN/DIN EN 60065 and IEC/EN/DIN EN 60728 must be observed.

Electronic devices should never be disposed of in the household rubbish. In accordance with directive 2002/96/EC of the European Parliament and the European Council from January 27, 2003 which addresses old electronic and electrical devices, such devices must be disposed of at a designated collection facility. At the end of its service life, please take your device to one of these public collection facilities for proper disposal.

2 Technical description

Application

This multiswitch is used for distribution of 8 SAT-IF-polarisations and terrestrial signals up to 24 alternatively 32 subscribers/receivers. Every single multiswitch has an active terrestrial input. Low power consumption and failure-free transmission of the signals are possible with the implemented switching power supply. A 22-kHz generator can be switched on every high-band input for the supply of a Quad LNB. The SDSP 924 and SDSP 932 models work with the DiSEqC 2.0 protocol. The terrestrial input is capable for return path in passive mode (-10dB).

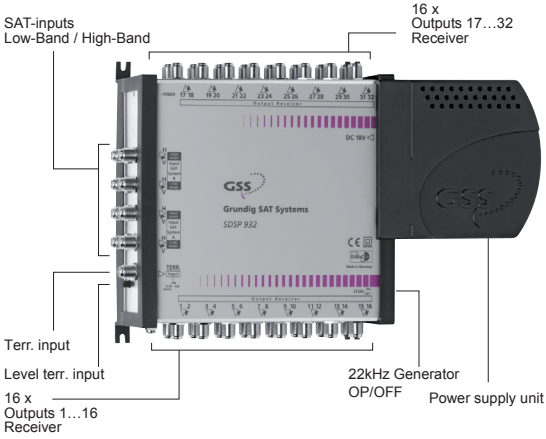
Power supply

The power pack provides the operating voltage for the LNBs. The power supply to the LNBs comes from the SAT-IF inputs of the multiswitches.

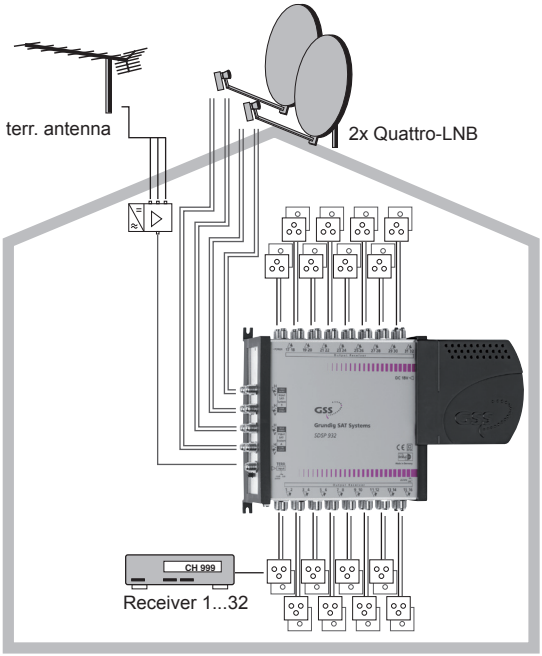
Connection layout for e.g. SDSP 932:

Level control -10 ... 0 dB:
Set the output level of the terrestrial antenna signal (see specifications).
Using the return path set the control to -10 dB.

22 kHz switch:
Using a Quad-LNB with an integrated multiswitch, set the 22 kHz switch to ON. The LED beside the switch lights on.



Example domestic installation with SDSP 932



4 Specifications

SDSP		924	932
No. of inputs	SAT	8	8
	TERR	1	
No. of outputs		24	32
22-kHz generator		•	
Frequency range	SAT	950 … 2200 MHz	
	TERR	5 … 862 MHz	
	return-channel TERR	5 … 65 MHz	
Return-channel loss [dB]	TERR	28	
Tap loss [dB]	SAT	0 dB	
	TERR (passive)	28 dB	
	TERR (active)	0 dB	
Isolation [dB]	Hor./Vert.	>30	
	SAT/TERR	>25	
	Port/Port	>20	
Return loss [dB]	SAT	10	
	TERR	10	
Output level	SAT	max. 95 dBµV	
	TERR	max. 95 dBµV	
Noise figure	SAT	7 dB	
	TERR	8 dB	
Voltage for LNB		14 V/18 V max. 1A, 22 kHz switchable	
Selection of inputs		DiSEqC 2.0, Polarisation, Band, Position	
Connector, Impedance		F connector, 75 Ω	
Feeding for receiver		< 30 mA	
Mains voltage		100 - 230 V AC, 50/60 Hz	
Power consumption without LNB		9 W	
Ambient temperature		-20°C … +50°C	
Dimensions (WxHxD) [mm] appr.		290 x 185 x 60	

Service:

Phone: +49 (0) 911 / 703 2221 • Fax: +49 (0) 911 / 703 2326 • Email: service@gss.de
Grundig SAT Systems GmbH • Beuthener Straße 43 • D-90471 Nürnberg