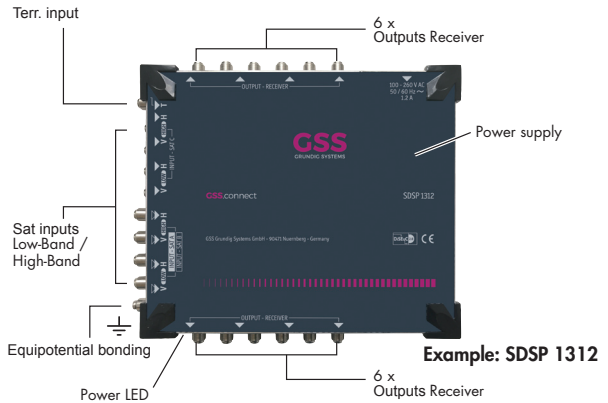
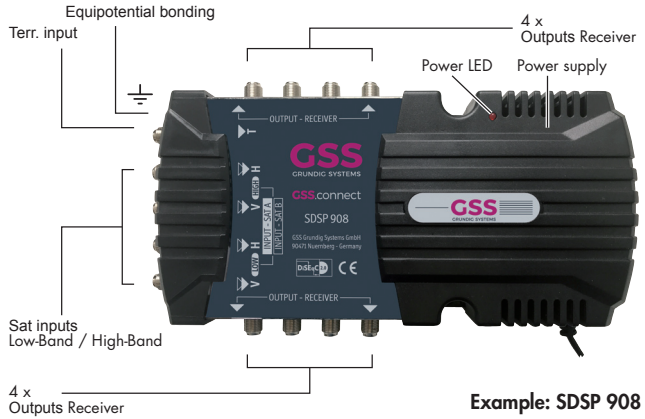


Assembly Instruction



- SDSP 506/508/512/516/524/532
- SDSP 908/912/916/924/932
- SDSP 1308/1312/1316/1324/1332
- SDSP 1708/1712/1716/1724/1732

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.
- 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!
- **Earth the unit via the equipotential bonding connector (screws \perp).**
- 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 4 SAT-IF-polarisations (SDSP 5xx; e.g. ASTRA or EUTELSAT), 2 x 4 SAT-IF-polarisations (SDSP 9xx; e.g. ASTRA and EUTELSAT), 3 x 4 SAT-IF-polarisations (SDSP 13xx) or 4 x 4 SAT-IF-polarisations (SDSP 17xx) and terrestrial signals (active).

The SDSP 5xx and SDSP 9xx ranges are equipped with an internal 22 kHz generator, in order to support QUAD LNBS. The signals of the terrestrial input will be active routed to the outputs (low insertion loss). Dependent on the typ, 6, 8, 12, 16, 24 or 32 subscribers/receivers can be connected.

POWER SUPPLY

Power supply is to be done via the internal power supply unit.

3 CONNECTIONS AND CONTROLS

Identification of connections:

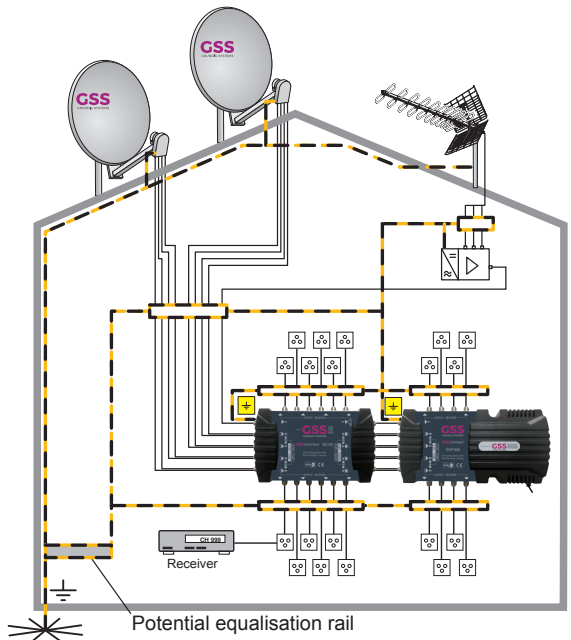
Connecting element		Symbol											
SAT inputs	Horizontal High	V	LOW	H	V	HIGH	H	V	LOW	H	V	HIGH	H
	Vertical High	V	LOW	H	V	HIGH	H	V	LOW	H	V	HIGH	H
	Horizontal Low	V	LOW	H	V	HIGH	H	V	LOW	H	V	HIGH	H
	Vertical Low	V	LOW	H	V	HIGH	H	V	LOW	H	V	HIGH	H
Terrestrial input													
Equipotential bonding (min. 4 mm ²)													
Receiver outputs													

The outputs are selected by receivers control signals 14/18 V (Vertical/Horizontal) , 0/22 kHz (Low-, High-Band). Selecting the Satellite position by SDSP 9/12/17xx is done by DiSEqC signals from the SAT-receiver.

Please check the input levels of the SAT-lines: They should be nearly equal. Connect the PE connection terminal to a potential equalisation rail (supplied by customer) using a PE wire with at least 4mm².

Not used receiver outputs can be terminated (reduces the terrestrial signal ripple).

Example of a house installation using SDC 912 and SDSP 908:



4 SPECIFICATIONS

SDSP	506	508	512	516	524	532	908	912	916	924	932	1308	1312	1316	1324	1332	1708	1712	1716	1724	1732	
Number of inputs	4 x SAT, 1 x TERR				8 x SAT, 1 x TERR				12 x SAT, 1 x TERR				16 x SAT, 1 x TERR									
Receiver outputs	6	8	12	16	24	32	8	12	16	24	32	8	12	16	24	32	8	12	16	24	32	
Frequency range	950 - 2150 MHz																					
TERR	47 - 862 MHz																					
SAT	0 - 8	0 - 6	0 - 5	0 - 8				2 - 8	2 - 6	2 - 4	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3
TERR	5 - 8	2 - 6	0 - 8	2 - 6	3 - 4	5 - 3	7 - 2	3 - 6	0 - 8	3 - 6	0 - 8	3 - 6	0 - 8	3 - 6	0 - 8	3 - 6	0 - 8	3 - 6	0 - 8	3 - 6	0 - 8	
TERR/SAT	30																					
SAT/TERR	28																					
Cross polarization isolation H/V (dB)	25																					
Isolation (dB)	22																					
out - out TERR	35																					
out - out SAT	30																					
SAT inputs	10																					
SAT outputs	8																					
TERR input	10																					
TERR output	8																					
Output level (dB)	100																					
SAT (IMD3-35)	88	85	83	88	83	83	88	88	83	83	88	88	88	88	83	83	88	88	88	88	83	
TER (IMD3-60 dB)	75																					
Impedance (Ω)	•																					
22 kHz Generator	13 V/18 V, 13 V-22 kHz/18 V-22 kHz																					
Switching signals	13 V/18 V, 13 V-22 kHz/18 V-22 kHz, DiSeqC 2.0																					
Dimensions (mm)	235x129x55	255x129x55	295x129x55	335x129x55	415x129x55	495x129x55	235x129x55	275x129x55	315x129x55	395x129x55	475x129x55	147x203x50	187x203x50	227x203x50	307x203x50	387x203x50	147x203x50	187x203x50	227x203x50	307x203x50	387x203x50	
Weight (kg)	1.0	1.0	1.1	1.3	1.3	1.3	1.0	1.1	1.1	1.3	1.3	1.4	1.4	1.4	1.8	1.8	1.4	1.4	1.4	1.8	1.8	
Order no. G.BB...	51-00	52-00	53-00	54-00	55-00	56-00	62-00	63-00	64-00	65-00	66-00	72-00	73-00	74-00	75-00	76-00	82-00	83-00	84-00	85-00	86-00	

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