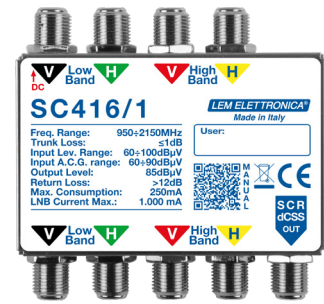


SC416/1

Quattro LNB 4 Cable dCSS Multiswitch

- ✓ **LNB Powering from STB**
- ✓ **Very Compact Size**
- ✓ **Legacy/SCR-dCSS automatic selection**
- ✓ **16 User band for each output**
- ✓ **User band Freq. Plan up on customer request**



SKY_IT APPROVED

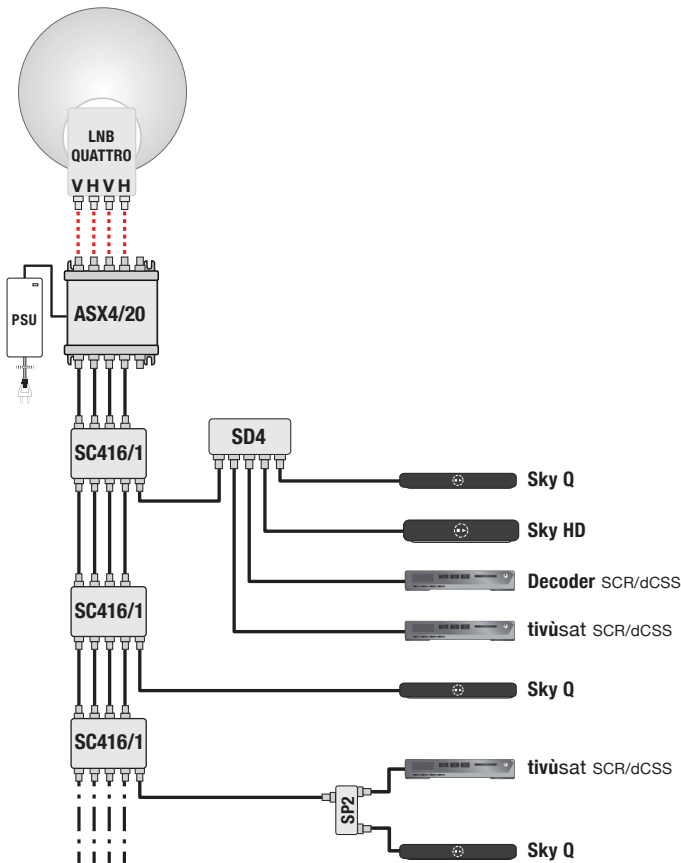
- 4-cable cascaded multiswitch with **16 user band** (4 SCR + 12 dCSS) on a single derivative output.
- Extreme compactness and low passage loss to facilitate integration into pre-existing satellite systems.
- Power supply of the multiswitch and **remote power supply** of the LNB from the decoder
- Satellite inputs equipped with **automatic CAG gain control** to ensure an adequate constant output level in all situations.

Ready for
UHDTV

5
WARRANTY YEARS

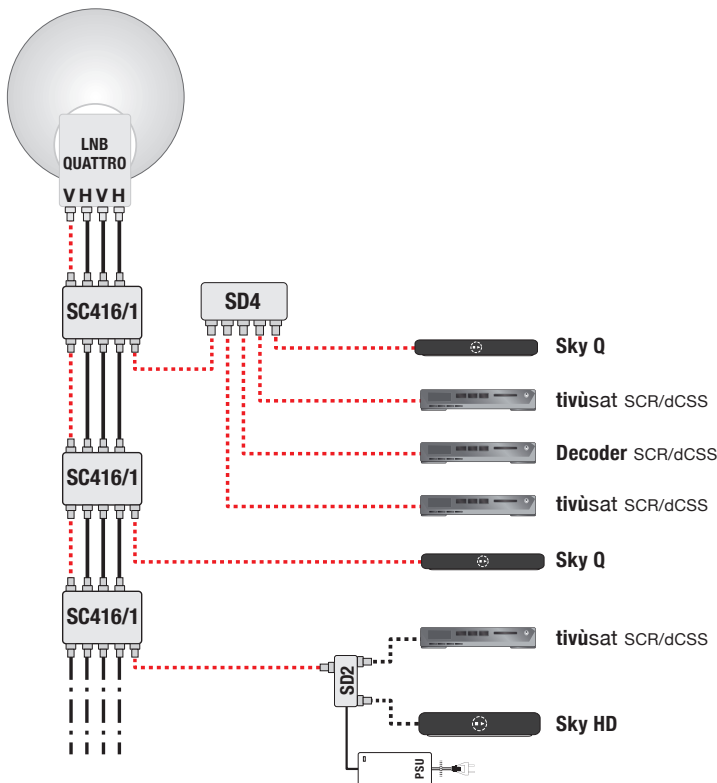
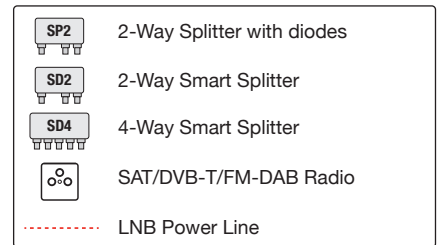
MODEL		SC416/1
TYPE		Cascadable
INPUTS / OUTPUTS TRUNK		4 / 4
OUTPUT/TAPS		1
SATELLITE TRUNK FREQUENCY RANGE	MHz	950... 2200
SATELLITE TRUNK LOSS	dB	≤ 1
SATELLITE INPUTS POWER LEVEL RANGE	dBμV	60... 100
SATELLITE A.C.G. POWER LEVEL RANGE	dBμV	60... 90
SATELLITE OUTPUT/TAP FREQ. RANGE	MHz	950... 2150
MAX. SCR-dCSS OUTPUT LEVEL	dBμV	85
SCR/dCSS STANDARDS		Compliant with CENELC EN50494 (SCR) EN50607 (dCSS) SKY UK DSCR
SCR/dCSS USER BANDS		16
AVAILABLE USER BAND FREQUENCY PLANS		SKY ITALIA - SKY UK - MULTICHOICE - CYFROWY POLSAT
DiSEqC SIGNALLING		DiSEqC 1.0 / 2.0 Compliant
CROSSPOLARITY ISOLATION	dB	> 30
TRUNK ISOLATION	dB	> 30
PHASE NOISE	dBc/ Hz	-90 @ DELTA F=1KHz
RETURN LOSS	dB	> 12
MAX. POWER CONSUMPTION @ 13V PER OUTPUT	mA	250
LNB MAX CURRENT @ 20V	mA	1000
DIMENSIONS LxHxP	mm	74x70x22

Connection Diagram



▶ Diagram of use of SC416/1 with head amplifier which provides power to the LNB. **The connected decoders will only have to power the dCSS SC416/1 multiswitches.**

Note: In the presence of multiple **SCR/dCSS decoders** connected to the same derived output, to avoid possible operating anomalies it is advisable to use the **Smart Splitter SD4**.



▶ Diagram of use of **SC416/1** which provides for the direct power supply of the LNB from the decoder.

In this example, the connected decoders will have to support the sum of the current absorption of the dCSS multiswitch and the LNB.

Note: In the presence of multiple SCR/dCSS type decoders connected to the same derived output, the use of Smart Splitters **SD2** and **SD4** is **recommended**.

