



Simple satellite TV in residential complexes

| Up to three TV's connected in the same apartment



your ultimate connection

Sat SCR Multiswitch

| Advantages for the installer, tenant and landlord in residential complexes



A perfect solution for the installer

- Easy to install. The existing cables can usually be recycled.
- No restrictions on the various subscriptions, encryptions or access restrictions, since each individual user is free to choose programme provider and package sizes.
- Automatic identification of set top box type (standard or Sat-SCR).
- Up to three set top boxes can be connected to the same cable inside the apartment.

New programme options for tenants

- All aerial/satellite programmes can be received.
- Supports HDTV, Pay TV.
- One scan per set top box and the TV programmes are ready.
- Up to 3 set top boxes on the same cabling using Sat-SCR technology, where standard set top boxes still require a separate cable.



A flexible and future-proof solution for the landlord

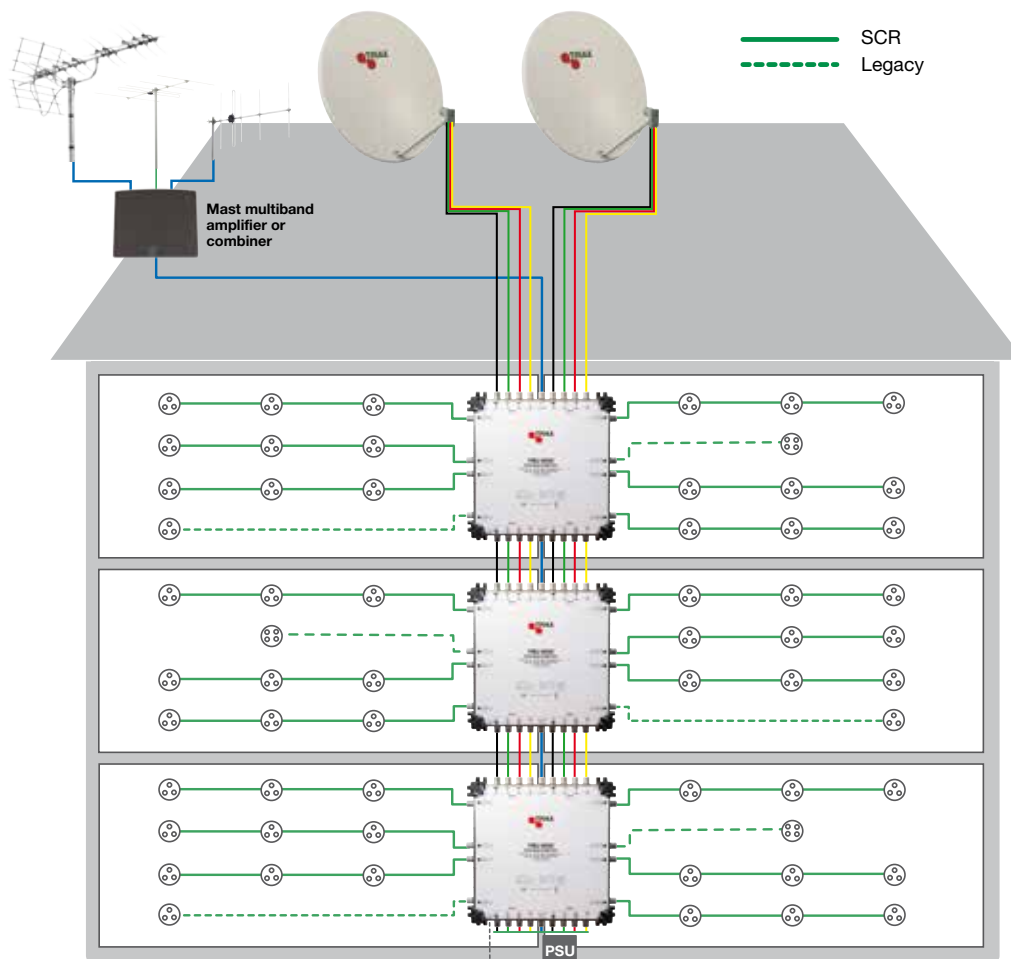
- A flexible solution combining a standard and Sat-SCR multiswitch in the same unit.
- Fits into most existing installations.
- A separate power supply is not required - power is supplied via the set-top box. If DC input is necessary for stand-alone use of the SCR Multiswitch, use a TMS 1520 power supply for LNB powering.

Complete flexibility

| An example with optical distribution

An example of a system installation with optical distribution between the buildings in a complex

An example of an installation of the reception of the satellite position e.g. ASTRA, Eutelsat or another satellite, as well as local terrestrial signals (Cable TV is also available). Other mounting examples possible depending on country specific requirements.



Installation tips

- Use a satellite receiver with the option of SCR DiSEqC.
- Standard set top boxes can still be used, but require a separate cable per box.
- Existing SAT outlets can be used if the distribution is done via taps or splitters with DC throughput.
- No special settings are required for the Multiswitch.
- All unused outputs on the multiswitches must be terminated with terminating resistors/terminators.
- Possibility of looping in the aerial or cable TV signals via the multiswitch's passive terrestrial input.

Technical Specification

| Three solutions for all your needs



TYPE	SCR 5 system		SCR 9 system		SCR 17 system	
	TMU 543C	TMU 583C	TMU 943C	TMU 983C	TMU 1743C	TMU 1783C
Art. No.	307340	307344	307348	307352	307356	307360
Number of SAT inputs	4	4	8	8	16	16
Number of TER inputs	1	1	1	1	1	1
Number of SAT positions	1	1	2	2	4	4
Number of trunkline outputs	5	5	9	9	17	17
Number of Subscriber outputs	4	8	4	8	4	8
Max. number of SCR/STB	12	24	12	24	12	24
Number of SCR/STB per output	3	3	3	3	3	3
Frequency range SAT	MHz	950-2150		950-2150		950-2150
Frequency range TER	MHz	5-790		5-790		5-790
Insertion loss trunkline SAT	dB	2.0	2.5	2.5	3.0	3.0
Insertion loss trunkline TER	dB	3.0	5.0	3.0	5.0	5.0
Tap loss - passive TER (typ.)	dB	24.0	24.0	24.0	24.0	24.0
Max. input level SAT	dB μ V	60...91		60...91		60...91
Max. input level TER	dB μ V	90.0		90.0		90.0
Max. output level SAT/SCR	dB μ V	90		90		90
AGC regulated		90		90		90
Max. output level SAT Legacy	dB μ V	80		80		80
- input > 75 dB μ V AGC regulated		80		80		80
Max. output level SAT Legacy	dB μ V	the respective input level is looped through				
- input < 75 dB μ V		the respective input level is looped through				
Return loss - inputs	dB	> 10		> 10		> 10
SCR channels		1280 / 1382 / 1484		1280 / 1382 / 1484		1280 / 1382 / 1484
SKY channels		9 / 11 / 14		9 / 11 / 14		9 / 11 / 14
Connectors	F-con	female		female		female
Impedance input/output	Ohm	75		75		75
LNB current supply	mA	500		500		500
STB current load	mA	85		85		85
DC input	VDC	15		15		15
DC power jack	mm	2.1		2.1		2.1
Colourcoding on inputs		Yes		Yes		Yes
Temperature range	°C	-20...+50		-20...+50		-20...+50
External power supply*)		TMU 1520 PSU, EU Mains plug, 2.1mm jack- Art. No. 307365 TMU 1520 PSU, UK Mains plug, 2.1mm jack- Art. No. 307366				
Dimensions (H x D x W)	mm	122 x 51 x 158		222 x 51 x 222		350 x 50 x 222
Supported standards		Legacy / BSkyB / EN 50494 / EN 50607 / DiSEqC				

*) If DC input is necessary for stand-alone use of a TMU switch, use a TMU 1520 power supply for LNB powering.

Advantages for residential complexes

| Total freedom for each apartment with minimal investment



■ Best possible quality

100% digital quality television and radio reception for all subscribers in the complex (even 4K). As well as payment and movie channels, the solution offers the user almost free choice across the board. In addition, seamless reception, completely without noise or impact from the surroundings can be achieved when used with fibre optic cable. Satellite reception is available to everyone, everywhere!

■ Increased user satisfaction

Through the use of multiswitches Sat-SCR ensures complete freedom of choice for all users.

■ Building aesthetics

A single satellite dish discreetly positioned on the roof can supply an entire apartment complex with digital TV and radio signals, while maintaining the buildings original design integrity.

■ Longevity

Satellite dishes are very sturdy and will last for years, meaning very little maintenance costs. If fibre is chosen for longer cables, the actual dish can be placed far away from the users in more discreet locations.

■ Lower costs

For large systems, especially Fibre Optical distribution networks, this is a cost and maintenance saving solution as an alternative to coaxial cabling. The Fibre Optical cable takes up substantially less space, is easier to install, can bridge substantially longer distances and save costs.





Headquartered in Denmark, Triax is an international supplier of innovative, high-tech solutions for the reception and distribution of video, audio and data signals. The company's products and solutions are used by broadcasters, cable operators, local closed networks and domestic dwelling.

Triax has 9 sales subsidiaries generating a turnover of €100M and operates in more than 60 distributor countries. The Triax team consists of approx. 350 employees and is part of Nielsen & Nielsen Holding, an international group employing 1,600 people.

See www.com for further info.

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