

# Multiswitches

## Compact multiswitches

### SWI95../UK Series

SWI9508/UK  
SWI9512/UK  
SWI9516/UK

5 input compact adjustable multiswitches (4 SAT + 1 TV)

- TV gain adjustment
- 2 x SAT gain adjustments (high and low band)
- Fixed gain on the return path
- Full HD compliant
- 2A@14V power supply for mixed systems (like SWI85... cascadable series)
- Standard colour coding for easy installation



Item Code		SWI9508/UK* 271106	SWI9512/UK* 271107	SWI9516/UK* 271108
No. of inputs		5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)
No. of outputs		8	12	16
<b>SAT</b>				
Bandwidth	MHz	950-2150	950-2150	950-2150
Gain	dB	5 to 10	5 to 10	3 to 9
Gain adjustment	dB	15	15	15
Maximum output level	dBμV	110 (-35dBc 2 tones)	110 (-35dBc 2 tones)	110 (-35dBc 2 tones)
<b>TV</b>				
Bandwidth	MHz	85-862	85-862	85-862
Gain	dB	2 to 5	2 to 5	1 to 4
Gain adjustment	dB	20	20	20
Maximum output level	dBμV	105 (-35dBc 2 tones)	105 (-35dBc 2 tones)	98 (-35dBc 2 tones)
<b>RETURN PATH</b>				
Bandwidth	MHz	5-65	5-65	5-65
Gain	dB	8	7	6
Maximum output level	dBμV	105 (-35dBc 2 tones)	105 (-35dBc 2 tones)	108 (-35dBc 2 tones)
<b>GENERAL PARAMETERS</b>				
LBN power supply	mA	1550	1450	1360
Switching control	V, KHz	14/18, 0/22	14/18, 0/22	14/18, 0/22
Mains voltage	V, Hz	220-240, 50-60	220-240, 50-60	220-240, 50-60
Power consumption	mA	450	550	640
Dimensions (l x h x w)	mm	380x127x60	455x127x60	530x127x60
Operating temperature	°C	-10 to 55	-10 to 55	-10 to 55

\* The UK plug is removable, please use CVMS-EU (code 280005) to use the European version

## Compact multiswitches

### SWI45.. Series

SWI4508  
SWI4512  
SWI4516

5 input compact multiswitches (4 SAT + 1 TV)

- Active TV/SAT band
- Compact size
- Switch mode power supply guarantees high reliability
- Return path included
- Full HD compliant
- Standard colour coding for easy installation



24 and 32 output versions coming soon to the SWI45.. Series.

Item Code		SWI4508 271101	SWI4512 271102	SWI4516 271103
No. of inputs		5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)
No. of outputs		8	12	16
Bandwidth SAT	MHz	950-2150	950-2150	950-2150
Gain SAT	dB	0	0	0
Maximum output level SAT	dB $\mu$ V	95 (-35dBc 2 tones)	95 (-35dBc 2 tones)	95 (-35dBc 2 tones)
Bandwidth TV	MHz	85-862	85-862	85-862
Gain TV	dB	-4	-5	-6
Maximum output level TV	dB $\mu$ V	100 (-35dBc 2 tones)	100 (-35dBc 2 tones)	100 (-35dBc 2 tones)
<b>RETURN PATH</b>				
Bandwidth	MHz	5-65	5-65	5-65
Gain	dB	-16	-17	-19
<b>GENERAL PARAMETERS</b>				
LNB power supply	mA, V	300, 14	300, 14	300, 14
Switching control	V, KHz	14/18, 0/22	14/18, 0/22	14/18, 0/22
Mains voltage	V, Hz	220-240, 50-60	220-240, 50-60	220-240, 50-60
Dimensions (lxhwx)	mm	245x125x45	325x125x45	405x125x45
Operating temperature	°C	-10 to 55	-10 to 55	-10 to 55

# Multiswitches

## Compact multiswitches

### SWI55.. Series

SWI5508  
SWI5512  
SWI5516

5 input compact multiswitches (4 SAT + 1 TV)

- Compact size
- Switch mode power supply guarantees high reliability
- Return path included
- Full HD compliant
- Standard colour coding for easy installation



Item Code		SWI5508 271045	SWI5512 271046	SWI5516 271047
No. of inputs		5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)
No. of outputs		8	12	16
<b>SAT</b>				
Bandwidth	MHz	950-2150	950-2150	950-2150
Gain	dB	0	0	0
Maximum output level	dB $\mu$ V	95	95	95
<b>TV</b>				
Bandwidth	MHz	85-862	85-862	85-862
Gain	dB	-16	-17	-19
Maximum output level	dB $\mu$ V	95 (-35dBc 2 tones)	95 (-35dBc 2 tones)	95 (-35dBc 2 tones)
<b>RETURN PATH</b>				
Bandwidth	MHz	5-65	5-65	5-65
Gain	dB	-16	-17	-19
<b>GENERAL PARAMETERS</b>				
LNB power supply	mA, V	300, 14	300, 14	300, 14
Switching control	V, KHz	14/18, 0/22	14/18, 0/22	14/18, 0/22
Mains voltage	V, Hz	220-240, 50-60	220-240, 50-60	220-240, 50-60
Dimensions (l x h x w)	mm	245x125x45	325x125x45	405x125x45
Operating temperature	$^{\circ}$ C	-10 to 55	-10 to 55	-10 to 55

## Compact multiswitches

### SWI55..A Series

SWI5506A  
SWI5508A  
SWI5512A  
SWI5516A

5 input compact multiswitches (4 SAT + 1 TV)

- Active satellite band to guarantee the quality of the satellite signal with long cable drops
- Dip switch to power masthead amplifier
- Return path included
- Full HD compliant
- Switch mode power supply guarantees high reliability
- Standard colour coding for easy installation



Item Code		SWI5506A 271041	SWI5508A 271042	SWI5512A 271043	SWI5516A 271044
No. of inputs		5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)
No. of outputs		6	8	12	16
<b>SAT</b>					
Bandwidth	MHz	950-2150	950-2150	950-2150	950-2150
Gain (tilt)	dB	2 to 4	2 to 4	2 to 4	2 to 4
Maximum output level	dB $\mu$ V	90 (-35dBc 2 tones)	90 (-35dBc 2 tones)	90 (-35dBc 2 tones)	90 (-35dBc 2 tones)
<b>TV</b>					
Bandwidth	MHz	5-862*	5-862*	5-862*	5-862*
Gain	dB	-16	-17	-20	-20
<b>GENERAL PARAMETERS</b>					
LNB power supply	mA, V	300, 14	300, 14	300, 14	300, 14
Switching control	V, KHz	14/18, 0/22	14/18, 0/22	14/18, 0/22	14/18, 0/22
Mains voltage	V, Hz	220-240, 50-60	220-240, 50-60	220-240, 50-60	220-240, 50-60
Power consumption	mA	25	25	25	25
Dimensions (l x h x w)	mm	265x125x65	305x125x65	385x125x65	445x125x65
Operating temperature	°C	-10 to 55	-10 to 55	-10 to 55	-10 to 55

\*Return path included

# Multiswitches

## Compact multiswitches

### SWI5..DC Series

5 input compact multiswitches (4 SAT +1 TV)

- The LNB and multiswitch can be powered by a receiver
- 12V automatic circuit to power a masthead amplifier
- Additional connector to feed a high power masthead amplifier
- Compact size
- Full HD compliant



SWI508DC  
SWI516DC



Item Code	SWI508DC 271115	SWI516DC 271117
No. of inputs	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)
No. of outputs	8	16
<b>SAT</b>		
Bandwidth	MHz 950-2150	950-2150
Gain (tilt)	dB -2 to 1	-2 to 1
Maximum output level	dBμV 105 (-35dBc 2 tones)	105 (-35dBc 2 tones)
<b>TV</b>		
Bandwidth	MHz* 5-862	5-862
Gain	dB -14	-20
<b>GENERAL PARAMETERS</b>		
Switching control	V, KHz 14/18, 0/22	14/18, 0/22
Power consumption	mA 35	35
Dimensions (l x h x w)	mm 200x118x30	390x118x30
Operating temperature	°C -10 to 55	-10 to 55

\*Return path included

## Compact multiswitches

### SWI9..DC Series

New

9 input compact multiswitches (8 SAT + 1 TV)

- The LNB and multiswitch can be powered by a receiver
- Active/passive terrestrial gain
- Low power consumption
- Circuit for automatic detection and 12V supply current for terrestrial masthead amplifier
- Additional connector to supply on terrestrial input when necessary
- High SAT output level - 105dBμV
- HD compliant



SWI908DC  
SWI916DC



Item Code	SWI908DC 271118	SWI916DC 271119
No. of inputs	9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)
No. of outputs	8	16
<b>SAT</b>		
Bandwidth	MHz 950-2150	950-2150
Gain	dB -2 to 1	-2 to 1
Maximum output level	dBμV 105 (-35dBc 2 tones)	105 (-35dBc 2 tones)
<b>TV</b>		
Bandwidth	MHz 88-862	88-862
Gain (active/passive)	dB 0 / -16	-3 / -20
Maximum output level	dBμV 97 (-35dBc 2 tones)	97 (-35dBc 2 tones)
<b>RETURN PATH (only when passive)</b>		
Bandwidth	MHz 5-65	5-65
Gain	dB -16	-20
<b>GENERAL PARAMETERS</b>		
Isolation SAT-SAT	dB 30	30
Switching control	V, KHz 14/18, 0/22	14/18, 0/22
Power consumption	mA passive 60 (per output) active 60 (per output) + 70 (TV amplifier)	passive 60 (per output) active 60 (per output) + 70 (TV amplifier)
Dimensions (l x h x w)	mm 230x180x30	395x180x30
Operating temperature	°C -10 to 55	-10 to 55

## Compact multiswitches

### SWI59..A Series

SWI5908A  
SWI5912A  
SWI5916A

9 input compact multiswitches (8 SAT + 1 TV)

- Dip switch for each output to set the main satellite
- Dip switch to power masthead amplifier
- Active satellite band to guarantee the quality of the satellite signal with long cable drops
- Return path included
- Full HD compliant
- Switch mode power supply guarantees high reliability



Item Code		SWI5908A 271052	SWI5912A 271053	SWI5916A 271054
No. of inputs		9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)
No. of outputs		8	12	16
<b>SAT</b>				
Bandwidth	MHz	950-2150	950-2150	950-2150
Gain	dB	3	2	4 to 1
Maximum output level	dBμV	90 (-35dBc 2 tones)	90 (-35dBc 2 tones)	90 (-35dBc 2 tones)
<b>TV</b>				
Bandwidth	MHz	5-862*	5-862*	5-862*
Gain	dB	-16	-18	-20
<b>GENERAL PARAMETERS</b>				
LNB power supply	mA, V	600/14	600/14	600/14
Switching control	V, kHz	14/18, 0/22 DISEqC 2.0	14/18, 0/22 DISEqC 2.0	14/18, 0/22 DISEqC 2.0
Mains voltage	V, Hz	220-240, 50-60	220-240, 50-60	220-240, 50-60
Power consumption	mA	25	25	25
Dimensions (l x h x w)	mm	305x125x65	385x125x65	445x125x65
Operating temperature	°C	-10 to 55	-10 to 55	-10 to 55

\*Return path included

# Multiswitches

## Compact multiswitches

### SWI59..AS Series

SWI5906AS  
SWI5908AS  
SWI5912AS  
SWI5916AS

9 input compact multiswitches (8 SAT + 1 TV)

- Dip switch to select terrestrial active or passive path
- Standalone power supply for easier installation
- Full HD compliant
- Bandwidth up to 2300MHz
- Standard colour coding for easy installation



24 and 32 output versions coming soon to the SWI59..AS Series.

Item Code		SWI5906AS 287035	SWI5908AS 287036	SWI5912AS 287037	SWI5916AS 287038
No. of inputs		9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)
No. of outputs		6	8	12	16
<b>SAT</b>					
Bandwidth	MHz	950-2300	950-2300	950-2300	950-2300
Gain	dB	0	-2	-2	-3
Maximum output level	dBμV	95 (-35dBc 2 tones)	95 (-35dBc 2 tones)	95 (-35dBc 2 tones)	95 (-35dBc 2 tones)
<b>TV</b>					
Bandwidth	MHz	5-862*	5-862*	5-862*	5-862*
Gain	dB	-7 (passive), 13 (active)	-7 (passive), 13 (active)	-10 (passive), 0 (active)	-10 (passive), 0 (active)
Maximum output level**	dBμV	105 (passive), 95 (active)	105 (passive), 95 (active)	105 (passive), 95 (active)	105 (passive), 95 (active)
<b>GENERAL PARAMETERS</b>					
LNB power supply	mA, V	1600, 12	1600, 12	1600, 12	1600, 12
Switching control	V, KHz	14/18, 0/22 DISEqC 2.0	14/18, 0/22 DISEqC 2.0	14/18, 0/22 DISEqC 2.0	14/18, 0/22 DISEqC 2.0
Mains voltage	V, Hz	220-240, 50-60	220-240, 50-60	220-240, 50-60	220-240, 50-60
Power consumption	mA	40	40	40	40
Dimensions (lxhwx)	mm	300x105x51	300x105x51	300x195x51	300x195x51
Operating temperature	°C	-20 to 60	-20 to 60	-20 to 60	-20 to 60

\*Return path included - \*\* (-35dBc 2 tones)

## Compact multiswitches

### SWI517..AS Series

SWI51706AS  
SWI51712AS  
SWI51716AS

17 input compact multiswitches (16 SAT + 1 TV)

- Dip switch to select terrestrial active or passive path
- Standalone power supply for easier installation
- Full HD compliant
- Bandwidth up to 2300MHz
- Standard colour coding for easy installation



Item code		SWI51706AS 287039	SWI51712AS 287040	SWI51716AS 2897041
No. of inputs		17 (16 SAT + 1 TV)	17 (16 SAT + 1 TV)	17 (16 SAT + 1 TV)
No. of outputs		6	12	16
<b>SAT</b>				
Bandwidth	MHz	950-2300	950-2300	950-2300
Gain	dB	-3	-3	-5
Maximum output level	dB $\mu$ V	95 (-35dBc 2 tones)	95 (-35dBc 2 tones)	95 (-35dBc 2 tones)
<b>TV</b>				
Bandwidth	MHz	5-862*	5-862*	5-862*
Gain	dB	-7 (passive), +3 (active)	-10 (passive), 0 (active)	-10 (passive), 0 (active)
Maximum output level**	dB $\mu$ V	100 (passive), 90 (active)	100 (passive), 90 (active)	100 (passive), 90 (active)
<b>GENERAL PARAMETERS</b>				
LNB power supply	mA, V	1600, 12	1600, 12	1600, 12
Switching control	V, kHz	14/18, 0/22 DISEqC 2.0	14/18, 0/22 DISEqC 2.0	14/18, 0/22 DISEqC 2.0
Mains voltage	V, Hz	220-240, 50-60	220-240, 50-60	220-240, 50-60
Power consumption	mA	60	60	60
Dimensions (l x h x w)	mm	430x105x51	430x195x51	430x240x51
Operating temperature	°C	-20 to 60	-20 to 60	-20 to 60

\*Return path included - \*\* (-35dBc 2 tones)



# Multiswitches

## Cascadable multiswitches

### SWI44.. Series

4 input cascadable multiswitches (4 SAT)

- The LNB can be powered directly from the decoder
- Four different levels of attenuation -17dB, -8dB, 0dB and +12dB for signal balancing
- Full HD compliant
- Plastic bracket for quick and easy installation
- Standard colour coding for easy installation

SWI4404+12  
SWI4404-00  
SWI4404-08  
SWI4404-17



SWI4406+12  
SWI4406-00  
SWI4406-08  
SWI4406-17



SWI4408+12  
SWI4408-00  
SWI4408-08  
SWI4408-17



New

Item Code	SWI4404+12 271134	SWI4404-00 271081	SWI4404-08 271082	SWI4404-17 271083
No. of inputs	4	4	4	4
No. of outputs	4	4	4	4
Bandwidth MHz	950-2150	950-2150	950-2150	950-2150
Gain (tilt) dB	+12	0	-8	-17
Insertion loss dB	3	2	2	2
Maximum output level dBμV	105 (-3dBc 2 tones)	105 (-35dBc 2 tones)	105 (-35dBc 2 tones)	-
Switching control V, KHz	14/18, 0/22	14/18, 0/22	14/18, 0/22	14/18, 0/22
Power consumption mA	55	35	35	15
Dimensions (lxhxw) mm	90x70x20	90x70x20	90x70x20	90x70x20
Operating temperature °C	-10 to 55	-10 to 55	-10 to 55	-10 to 55

New

Item Code	SWI4406+12 271135	SWI4406-00 271084	SWI4406-08 271085	SWI4406-17 271086
No. of inputs	4	4	4	4
No. of outputs	6	6	6	6
Bandwidth MHz	950-2150	950-2150	950-2150	950-2150
Gain (tilt) dB	+12	0	-8	-17
Insertion loss dB	4	2	2	2
Maximum output level dBμV	105 (-3dBc 2 tones)	105 (-35dBc 2 tones)	105 (-35dBc 2 tones)	-
Switching control V, KHz	14/18, 0/22	14/18, 0/22	14/18, 0/22	14/18, 0/22
Power consumption mA	55	35	35	15
Dimensions (lxhxw) mm	119x70x20	119x70x20	119x70x20	119x70x20
Operating temperature °C	-10 to 55	-10 to 55	-10 to 55	-10 to 55

New

Item Code	SWI4408+12 271136	SWI4408-00 271087	SWI4408-08 271088	SWI4408-17 271089
No. of inputs	4	4	4	4
No. of outputs	8	8	8	8
Bandwidth MHz	950-2150	950-2150	950-2150	950-2150
Gain (tilt) dB	+12	0	-8	-17
Insertion loss dB	5	3	3	3
Maximum output level dBμV	105 (-35dBc 2 tones)	105 (-35dBc 2 tones)	105 (-35dBc 2 tones)	-
Switching control V, KHz	14/18, 0/22	14/18, 0/22	14/18, 0/22	14/18, 0/22
Power consumption mA	55	35	35	15
Dimensions (lxhxw) mm	150x70x20	150x70x20	150x70x20	150x70x20
Operating temperature °C	-10 to 55	-10 to 55	-10 to 55	-10 to 55

## Cascadable multiswitches

### SWI35.. Series

5 input cascadable multiswitches (4 SAT + 1 TV)

- Three different levels of attenuation on SAT -17dB, -8dB and 0dB for signal balancing
- Terminal version available with 0dB attenuation
- Return path included on all switches
- With the MiniDiSEqC and Tool Kit it is possible to distribute up to 4 satellites (16 polarities) + TV
- The MiniDiSEqC with 2 SAT inputs has a dip-switch to select the main satellite input
- Full HD compliant
- Standard colour coding for easy installation

SWI3504P.  
SWI3504A10  
SWI3504A.  
SWI3504T.



SWI3506P.  
SWI3506A10  
SWI3506A.  
SWI3506T.



SWI3508P.  
SWI3508A10  
SWI3508A.  
SWI3508T.



Item Code	SWI3504P. 271013-C	SWI3504A10 271008	SWI3504A. 271011-C	SWI3504T. 271015-C
No. of inputs	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)
No. of outputs	4	4	4	4
Gain SAT	dB	-20 to -16 (tilted)	-8	-2 to 1 (tilted)
Insertion loss SAT	dB	2	2	2
Maximum output level SAT	dBμV	-	110 (-35dBc 2 tones)	105 (-35dBc 2 tones)
Gain TV	dB	-19	-15	-15
Insertion loss TV	dB	2.5	3	3.5
Switching control	V, KHz	14/18, 0/22	14/18, 0/22	14/18, 0/22
Power consumption	mA	15	40	35
Dimensions (lxhwx)	mm	120x118x30	120x118x30	120x118x30
Operating temperature	°C	-10 to 55	-10 to 55	-10 to 55

Item Code	SWI3506P. 271014-C	SWI3506A10 271009	SWI3506A. 271012-C	SWI3506T. 271016-C
No. of inputs	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)
No. of outputs	6	6	6	6
Gain SAT	dB	-21 to -16 (tilted)	-8	-3 to 1 (tilted)
Insertion loss SAT	dB	2.5	2.5	2.5
Maximum output level SAT	dBμV	-	110 (-35dBc 2 tones)	105 (-35dBc 2 tones)
Gain TV	dB	-19	-15	-15
Insertion loss TV	dB	4	4.5	5
Switching control	V, KHz	14/18, 0/22	14/18, 0/22	14/18, 0/22
Power consumption	mA	15	40	35
Dimensions (lxhwx)	mm	160x118x30	160x118x30	160x118x30
Operating temperature	°C	-10 to 55	-10 to 55	-10 to 55

Item Code	SWI3508P. 271018-C	SWI3508A10 271010	SWI3508A. 271017-C	SWI3508T. 271019-C
No. of inputs	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)
No. of outputs	8	8	8	8
Gain SAT	dB	-21 to -16 (tilted)	-8	-2 to 1 (tilted)
Insertion loss SAT	dB	3.5	3.5	3.5
Maximum output level SAT	dBμV	-	110 (-35dBc 2 tones)	105 (-35dBc 2 tones)
Gain TV	dB	-25	-22	-22
Insertion loss TV	dB	1	3	3
Switching control	V, KHz	14/18, 0/22	14/18, 0/22	14/18, 0/22
Power consumption	mA	15	40	35
Dimensions (lxhwx)	mm	200x118x30	200x118x30	200x118x30
Operating temperature	°C	-10 to 55	-10 to 55	-10 to 55

# Multiswitches

## Cascadable multiswitches

### SWI85..PLUS Series

SWI8508PLUS  
SWI8512PLUS  
SWI8516PLUS

5 input cascadable adjustable multiswitches (4 SAT + 1 TV)

- Optimised energy consumption
- Capable of 100m drop length
- Very high isolation (45dB)
- Very high electrical performance
- TV gain adjustment
- 2 x SAT gain adjustments (high and low band)
- Fixed gain on the return path
- Full HD compliant
- Can be used with SWI95../UK to create a mixed system
- Standard colour coding for easy installation



Item Code		SWI8508PLUS 271055	SWI8512PLUS 271056	SWI8516PLUS 271063
No. of inputs		5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)
No. of outputs		8	12	16
<b>SAT</b>				
Bandwidth	MHz	950-2150	950-2150	950-2150
Gain (tilt)	dB	-4 to 0	-4 to 0	-3 to 1
Gain adjustment	dB	15	15	15
Maximum output level	dBμV	110 (-35dBc 2 tones)	110 (-35dBc 2 tones)	108 (-35dBc 2 tones)
Insertion loss	dB	2	2.5	2.5
<b>TV</b>				
Bandwidth	MHz	85-862	85-862	85-862
Gain (tilt)	dB	-8 to -4	-8 to -4	-9 to -5
Gain adjustment	dB	20	20	20
Maximum output level	dBμV	105 (-35dBc 2 tones)	105 (-35dBc 2 tones)	102 (-35dBc 2 tones)
Insertion loss	dB	1.5	2	2
<b>RETURN PATH</b>				
Bandwidth	MHz	5-65	5-65	5-65
Gain	dB	-4	-5	-6
Maximum output level	dB	100 (-35dBc 2 tones)	100 (-35dBc 2 tones)	100 (-35dBc 2 tones)
Insertion loss	dBμV	1	1	1
<b>GENERAL PARAMETERS</b>				
Power supply	V	14/18	14/18	14/18
Switching control	V, KHz	14/18, 0/22	14/18, 0/22	14/18, 0/22
Power consumption	mA	280 (14V), 220 (18V)	280 (14V), 220 (18V)	280 (14V), 220 (18V)
Dimensions (lxhxw)	mm	260x120x30	340x120x30	425x120x30
Operating temperature	°C	-10 to 55	-10 to 55	-10 to 55

## Cascadable multiswitches

### SWI85..STPLUS Series

SWI8524STPLUS  
SWI8532STPLUS

5 input cascadable multiswitches (4 SAT + 1 TV)

- Optimised energy consumption
- Capable of 100m loop length
- Very high isolation (45dB)
- Very high electrical performance
- TV gain adjustment
- 2 x SAT gain adjustments (high and low band)
- Fixed gain on the return path
- Full HD compliant
- Can be used with SWI95../UK to create a mixed system
- Standard colour coding for easy installation



Item Code		SWI8524STPLUS 271057	SWI8532STPLUS 271058
No. of inputs		5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)
No. of outputs		24	32
<b>SAT</b>			
Bandwidth	MHz	950-2150	950-2150
Gain (tilt)	dB	-6 to 0	-5 to +1
Gain adjustment	dB	15	15
Maximum output level	dBμV	110 (-35dBc 2 tones)	108 (-35dBc 2 tones)
Insertion loss	dB	5	5
<b>TV</b>			
Bandwidth	MHz	85-862	85-862
Gain (tilt)	dB	-9 to -6	-11 to -5
Gain adjustment	dB	20	20
Maximum output level	dBμV	105 (-35dBc 2 tones)	102 (-35dBc 2 tones)
Insertion loss	dB	4	4
<b>RETURN PATH</b>			
Bandwidth	MHz	5-65	5-65
Gain	dB	-5	-6
Maximum output level	dB	100 (-35dBc 2 tones)	100 (-35dBc 2 tones)
Insertion loss	dBμV	2	2
<b>GENERAL PARAMETERS</b>			
Power supply	V	14/18	14/18
Switching control	V, KHz	14/18, 0/22	14/18, 0/22
Power consumption	mA	560 (14V), 440 (18V)	560 (14V), 440 (18V)
Dimensions (LxHxW)	mm	355x120x60	440x120x60
Operating temperature	°C	-10 to 55	-10 to 55

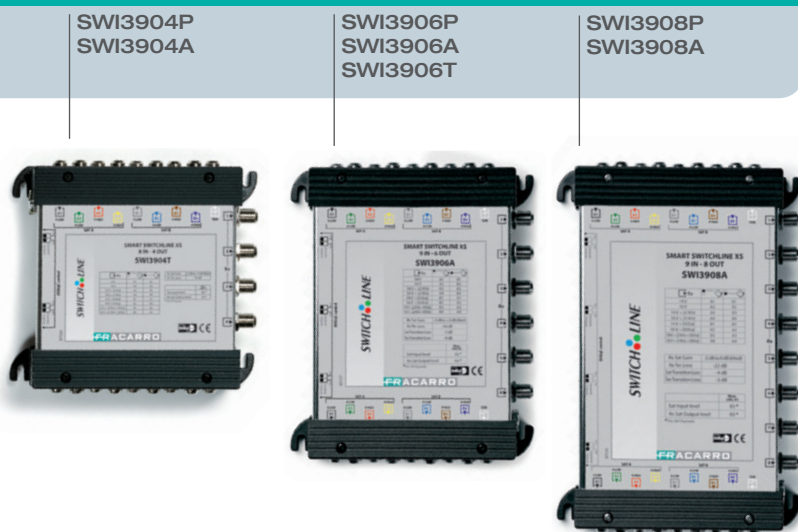
# Multiswitches

## Cascadable multiswitches

### SWI39.. Series

9 input cascadable multiswitches (8 SAT + 1 TV)

- 3 types: passive SAT, active SAT and terminal with active SAT
- Dip-switch for each output to set the main satellite
- Return path included on all switches
- Full HD compliant
- Plastic bracket for quick and easy installation
- Standard colour coding for easy installation



Item Code	SWI3904P 271022	SWI3904A 271021
No. of inputs	9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)
No. of outputs	4	4
Gain SAT (tilt) dB	-20 to -16	0 to 2
Insertion loss SAT dB	3	3
Maximum output level SAT dBμV	-	105 (-35dBc 2 tones)
Gain TV dB	-18	-15
Insertion loss TV dB	4	4
Switching control V, KHz	14/18, 0/22 DiSEqC 2.0	14/18, 0/22 DiSEqC 2.0
Power consumption mA	35	50
Dimensions (lxhwx) mm	125x125x52	125x125x52
Operating temperature °C	-10 to 55	-10 to 55

Item Code	SWI3906P 271025	SWI3906A 271024	SWI3906T 271026
No. of inputs	9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)
No. of outputs	6	6	6
Gain SAT (tilt) dB	-22 to -17	-3 to 0	0 to 3
Insertion loss SAT dB	3	3	-
Maximum output level SAT dBμV	-	105 (-35dBc 2 tones)	105 (-35dBc 2 tones)
Gain TV dB	-19	-16	-13
Insertion loss TV dB	3	4	-
Switching control V, KHz	14/18, 0/22 DiSEqC 2.0	14/18, 0/22 DiSEqC 2.0	14/18, 0/22 DiSEqC 2.0
Power consumption mA	35	50	50
Dimensions (lxhwx) mm	170x125x52	170x125x52	170x125x52
Operating temperature °C	-10 to 55	-10 to 55	-10 to 55

Item Code	SWI3908P 271028	SWI3908A 271027
No. of inputs	9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)
No. of outputs	8	8
Gain SAT (tilt) dB	-21 to -16	-2 to 0
Insertion loss SAT dB	3	3
Maximum output level SAT dBμV	-	105 (-35dBc 2 tones)
Gain TV dB	-25	-22
Insertion loss TV dB	2	3
Switching control V, KHz	14/18, 0/22 DiSEqC 2.0	14/18, 0/22 DiSEqC 2.0
Power consumption mA	35	50
Dimensions (lxhwx) mm	210x125x52	210x125x52
Operating temperature °C	-10 to 55	-10 to 55

## Cascadable multiswitches

### SWI39AT

SWI39AT

Adjustable shunt

- Enables the creation of a 9 input active TV system
- Adjustable gain on SAT/Terrestrial tap outputs
- Low insertion loss on trunk path
- Active return channel
- Full HD compliant
- Plastic bracket for quick and easy installation
- Standard colour coding for easy installation



Item Code	SWI39AT 271020	
No. of inputs		9 (8 SAT + 1 TV)
No. of outputs		9
No. of tapped outputs		9
Bandwidth SAT	MHz	950-2150
Gain SAT (tilt)	dB	-2 to 0
Gain adjustment SAT	dB	15
Maximum output level SAT	dB $\mu$ V	116 (-35dBc 2 tones)
Insertion loss SAT	dB	1.5
Bandwidth TV	MHz	85-862
Gain TV	dB	10 to 15
Gain adjustment TV	dB	15
Maximum output level TV	dB $\mu$ V	120 (-35dBc 2 tones)
Insertion loss TV	dB	1.5
<b>RETURN PATH</b>		
Bandwidth	MHz	5-65
Gain	dB	12
Maximum output level	dB $\mu$ V	104 (-35dBc 2 tones)
Insertion loss	dB	1.5
<b>GENERAL PARAMETERS</b>		
Power consumption	mA	320 (14V)
Dimensions (l x h x w)	mm	170x140x60
Operating temperature	$^{\circ}$ C	-10 to 55

# Multiswitches

## Cascadable multiswitches

### SWI39..S Series

SWI3906S - SWI3908S  
SWI3912S - SWI3916S

9 input cascadable multiswitches (8 SAT +1 TV)

- Isolation between outputs >30dB
- Cost effective
- Full HD compliant
- Bandwidth up to 2300MHz
- Standard colour coding for easy installation



24 and 32 output versions coming soon to the SWI39..S Series.

Item Code		SWI3906S 289783	SWI3908S 289784	SWI3912S 289785	SWI3916S 289786
No. of inputs		9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)
No. of outputs		6	8	12	16
Bandwidth SAT	MHz	950-2300	950-2300	950-2300	950-2300
Gain SAT	dB	0	0	-2	-2
Maximum output level SAT	dBμV	100 (-35dBc 2 tones)	100 (-35dBc 2 tones)	100 (-35dBc 2 tones)	100 (-35dBc 2 tones)
Insertion loss SAT	dB	2	2	4	4
Bandwidth TV	MHz	5-862*	5-862*	5-862*	5-862*
Gain TV	dB	-17	-17	-21	-21
Insertion loss TV	dB	4	4	4	4
<b>GENERAL PARAMETERS</b>					
Switching control	V, KHz	14/18, 0/22 DiSEqC 2.0	14/18, 0/22 DiSEqC 2.0	14/18, 0/22 DiSEqC 2.0	14/18, 0/22 DiSEqC 2.0
Power consumption	mA	40	40	40	40
Dimensions (l x h x w)	mm	215x105x40	215x105x40	215x195x40	215x195x40
Operating temperature	°C	-20 to 60	-20 to 60	-20 to 60	-20 to 60

\*Return path included

## Cascadable multiswitches

### SWI89..PLUS Series

SWI8908PLUS  
SWI8912PLUS  
SWI8916PLUS

9 input cascadable adjustable multiswitches (8 SAT + 1 TV)

- Optimised energy consumption
- Capable of 100m drop length
- Very high isolation (>45dB)
- Very high electrical performance
- TV gain adjustment
- 2 x SAT gain adjustments (SAT1 and SAT2)
- Fixed gain on the return path
- Full HD compliant
- Can be used with SWI95../UK to create a mixed system
- Standard colour coding for easy installation



Item Code		SWI8908PLUS 271067	SWI8912PLUS 271068	SWI8916PLUS 271069
No. of inputs		9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)
No. of outputs		8	12	16
<b>SAT</b>				
Bandwidth	MHz	950-2150	950-2150	950-2150
Gain	dB	-3 to 3	-4 to 2	-6 to 0
Gain adjustment	dB	15	15	15
Maximum output level	dBμV	110 (-35dBc 2 tones)	110 (-35dBc 2 tones)	110 (-35dBc 2 tones)
Insertion loss	dB	2	2.5	3
<b>TV</b>				
Bandwidth	MHz	85-862	85-862	85-862
Gain	dB	-7 to -3	-9 to -4	-11 to -5
Gain adjustment	dB	20	20	20
Maximum output level	dBμV	105 (-35dBc 2 tones)	105 (-35dBc 2 tones)	105 (-35dBc 2 tones)
Insertion loss	dB	2	2	2
<b>RETURN PATH</b>				
Bandwidth	MHz	5-65	5-65	5-65
Gain	dB	-3	-5	-7
Maximum output level	dBμV	95 (-35dBc 2 tones)	97 (-35dBc 2 tones)	97 (-35dBc 2 tones)
Insertion loss	dB	1	2	2
<b>GENERAL PARAMETERS</b>				
Switching control	V, kHz	14/18, 0/22 DiSEqC 2.0	14/18, 0/22 DiSEqC 2.0	14/18, 0/22 DiSEqC 2.0
Power consumption	mA	350(14V), 280(18V)	350(14V), 280(18V)	350(14V), 280(18V)
Mains voltage	V	14 - 18	14 - 18	14 - 18
Dimensions (lxhwx)	mm	260x180x30	340x180x30	425x180x30
Operating temperature	°C	-10 to 55	-10 to 55	-10 to 55



# Multiswitches

## Cascadable multiswitches

### SWI317..S Series

SWI31706S  
SWI31712S  
SWI31716S

17 input cascadable multiswitches (16 SAT + 1 TV)

- Isolation between outputs >30dB
- Cost effective
- Full HD compliant
- Bandwidth up to 2300 MHz
- Standard colour coding for easy installation



Item Code	SWI31706S 289780	SWI31712S 289781	SWI31716S 289782
No. of inputs	17 (16 SAT + 1 TV)	17 (16 SAT + 1 TV)	17 (16 SAT + 1 TV)
No. of outputs	6	12	16
<b>SAT</b>			
Bandwidth	MHz 950-2300	MHz 950-2300	MHz 950-2300
Gain	dB -3	dB -4	dB -5
Maximum output level	dBµV 100 (-35dBc 2 tones)	dBµV 100 (-35dBc 2 tones)	dBµV 100 (-35dBc 2 tones)
Insertion loss	dB 3	dB 4	dB 4
<b>TV</b>			
Bandwidth	MHz 5-862*	MHz 5-862*	MHz 5-862*
Gain	dB -17	dB -21	dB -21
Insertion loss	dB 4	dB 4	dB 4
<b>GENERAL PARAMETERS</b>			
Switching control	V, KHz 14/18, 0/22 DiSEqC 2.0	V, KHz 14/18, 0/22 DiSEqC 2.0	V, KHz 14/18, 0/22 DiSEqC 2.0
Power consumption	mA 60	mA 60	mA 60
Dimensions (l x h x w)	mm 345x105x40	mm 345x195x40	mm 345x240x40
Operating temperature	°C -20 to 60	°C -20 to 60	°C -20 to 60

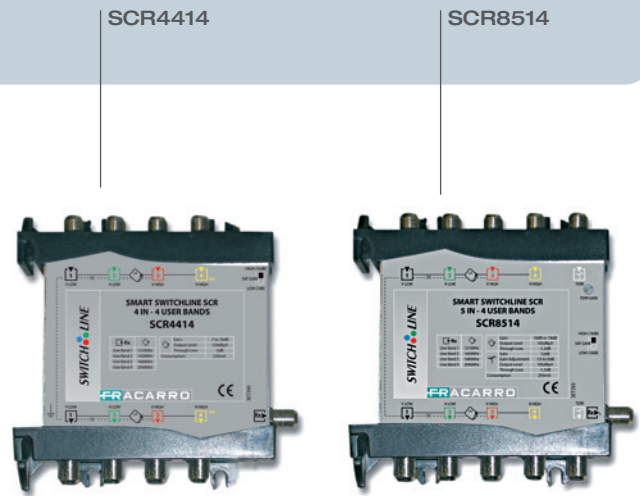
\*Return path included

## Cascadable multiswitches

### SCR.. Series

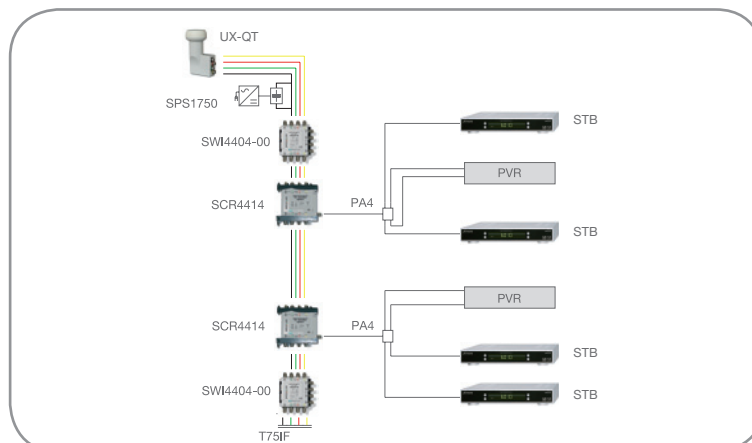
4 input and 5 input SCR cascadable adjustable multiswitches

- Multiple STBs\* and PVRs can be connected by a single cable
- Adjustable SAT and TV gain
- High gain for splitting compensation
- Low insertion loss
- Compact size
- Standard colour coding for easy installation



Item Code	SCR4414 271120	SCR8514 271121
No. of inputs	4 SAT	4 SAT + 1 TV
No. of outputs	1 output for 4 users	1 output for 4 users
<b>SAT</b>		
Output band frequency	MHz 1210, 1420, 1680, 2040	MHz 1210, 1420, 1680, 2040
Gain (tilted)	dip-switch position 1	16
	dip-switch position 2	7
Maximum output level	dBμV 105 (-35dBc 2 tones)	dBμV 105 (-35dBc 2 tones)
Insertion loss	dB 1	dB 1
<b>TV</b>		
Bandwidth	MHz -	MHz 85-862
Gain	dB -	dB 12
Gain adjustment	dB -	dB 15
Maximum output level	dBμV -	dBμV 107 (-60dBc 3 tones)
Insertion loss	dB -	dB 1
<b>GENERAL PARAMETERS</b>		
Switching control	SCR	SCR
Power consumption	mA 220	mA 280
Dimensions (l x h x w)	mm 120x120x35	mm 120x120x35
Operating temperature	°C -10 to +55	°C -10 to +55

## Installation example



\* Compatible with SCR protocol

# Amplifiers

## Headend amplifiers

### AMP Series

#### AMP9254

Headend amplifier with 5 inputs (4 SAT + 1 TV)

- Gain adjustment for each SAT input
- For small and medium systems
- 400mA to power the LNB

#### AMP9254A

Headend amplifier with 5 inputs (4 SAT + 1 TV)

- Tilt and gain adjustment for each SAT input
- There is a connector to insert DC on lines 1 and 2
- For medium and large systems or where there are long distances between switches
- 400mA to power the LNB

#### AMP9294

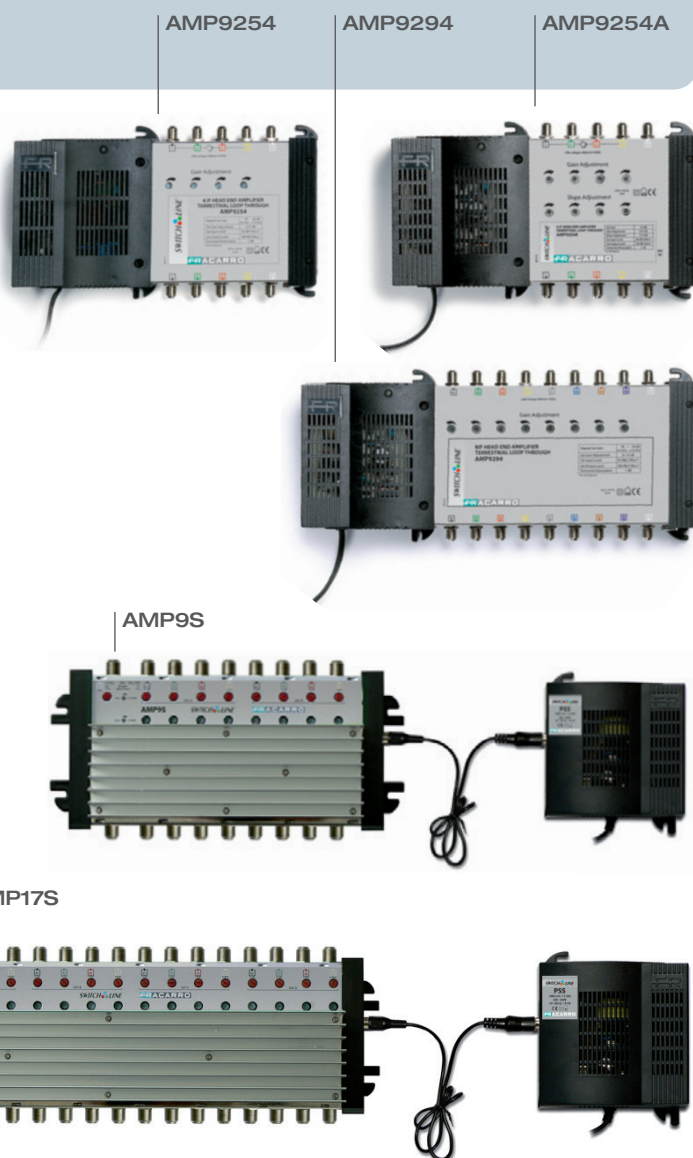
Headend amplifier with 9 inputs (8 SAT + 1 TV)

- Gain adjustment for each SAT input
- For small and medium systems
- 600mA to power the LNB

#### AMP9S, AMP17S

Headend amplifiers with 9 inputs (8 SAT + 1 TV) and 17 inputs (16 SAT + 1 TV)

- Tilt and gain adjustment for each SAT input
- Gain adjustment for TV input
- High maximum output level
- Bandwidth up to 2300MHz
- 1800mA to power the LNB



Item Code		AMP9254 271031	AMP9254A 271033	AMP9294 271032	AMP9S 289778	AMP17S 289779
No. of inputs		5 (4 SAT + 1 TV)	5 (4 SAT + 1 TV)	9 (8 SAT + 1 TV)	9 (8 SAT + 1 TV)	17 (16 SAT + 1 TV)
<b>SAT</b>						
Bandwidth	MHz	950-2150	950-2150	950-2150	950-2300	950-2300
Gain	dB	19-25 (fixed tilt)	32	20-24 (fixed tilt)	27	27
Gain adjustment	dB	15	15	15	10	10
Tilt adjustment	dB	-	12	-	4	4
Maximum output level*	dBμV	112	116	112	115	115
<b>TV</b>						
Bandwidth	MHz	5-862	5-862	5-862	47-862	47-862
Gain	dB	-1	-1	-1	30	30
Gain adjustment	dB	-	-	-	10	10
Maximum output level*	dBμV	-	-	-	114	114
<b>GENERAL PARAMETERS</b>						
Mains voltage	V, Hz	220-240, 50-60	220-240, 50-60	220-240, 50-60	220-240, 50-60	220-240, 50-60
LBN power supply	mA, V	400, 14	400, 14	600, 14	1800, 12	1800, 12
Dimensions (lxhwx)	mm	235x125x65	235x125x65	320x125x65	350x130x90	430x130x90
Operating temperature	°C	-10 to 55	-10 to 55	-10 to 55	-20 to 60	-20 to 60

\* (-35dBc 2 tones)

## Line amplifiers

### SWA.. Series

#### SWA5424

Line amplifier with 4 SAT inputs

- Tilt and gain adjustment for each SAT input
- For medium and large systems
- Remote power supply through SAT trunk lines 1 (VL), 2 (HL) and 3 (VH)
- DC pass through HH line

#### SWA5414

Line amplifier with 4 SAT inputs

- Fixed gain
- For small and medium systems
- Can be powered directly through the DC F connector or by using an external power supply connected to the trunk line 1 (VL)

#### SWA5122

Line amplifier with 2 inputs (1 SAT + 1 TV)

- Tilt and gain adjustment on TV line
- Return path gain adjustment
- For small and medium systems
- Remote power supply through SAT trunk line



Item Code		SWA5424 271034	SWA5414 271036	SWA5122 271035
No. of inputs		4 SAT	4 SAT	2 (1 SAT + 1 TV)
<b>SAT</b>				
Bandwidth	MHz	950-2150	950-2150	950-2150
Gain	dB	25	12 to 16 (tilted)	-1
Gain adjustment	dB	15	-	-
Tilt adjustment	dB	15	-	-
Maximum output level	dB $\mu$ V	116	108	-
Noise figure	dB	8	8	-
<b>TV</b>				
Bandwidth	MHz	-	-	85-862
Gain	dB	-	-	30
Gain adjustment	dB	-	-	15
Tilt adjustment	dB	-	-	15
Maximum output level	dB $\mu$ V	-	-	116
Noise figure	dB	-	-	8
<b>RETURN PATH</b>				
Bandwidth	MHz	-	-	5-65
Gain	dB	-	-	15
Gain adjustment	dB	-	-	10
Maximum output level	dB $\mu$ V	-	-	106
Noise figure	dB	-	-	7
<b>GENERAL PARAMETERS</b>				
Power supply	V	14-30	14-18	14-30 on SAT
Power consumption	mA, V	300, 14	120, 14	400, 14
Dimensions (lxhwx)	mm	198x108x30	90x90x20	198x108x30
Operating temperature	°C	-10 to 55	-10 to 55	-10 to 55

# Power supplies - Accessories

## Power supplies

### AMP2000/UK

- Power supply with DC inserter
- 14Vcc 2A output voltage
  - Supplied with 220-240V~, 50-60Hz.

### SPS1750

- Power supply with DC inserter
- 15Vcc 0.6A output voltage
  - Supplied with 220-240V~, 50-60Hz.

### AMP4000+PI2W

- Power supply with DC inserter
- 18Vcc 4A output voltage
  - Supplied with 220-240V~, 50-60Hz.

### PSU3000

- Power supply with 2 DC inserters
- 18Vcc 3A output voltage
  - Supplied with 220-240V~, 50-60Hz.




New

Item Code		AMP2000/UK*	SPS1750	AMP4000+PI-2W	PSU3000**
Bandwidth	MHz	5-2400	40-2150	950-2150	5-2400
Output voltage	V	12	15	18+18	18+18
Output current	A	2	0.6	4 (total)	3 (total)
Insertion loss	dB	1.5	1.5	2	1.5
<b>GENERAL PARAMETERS</b>					
Mains voltage	V, Hz	220-240, 50-60	220-240, 50-60	220-240, 50-60	220-240, 50-60
Isolation	Class	II	II	II	II
Connector	Type	F	F	2 x F	2 x F
Dimensions (l x h x w)	mm	185x100x60	48x68x90	63x175x107 - 32x129x86	165x63x107
Operating temperature	°C	-10 to 55	-10 to 55	-10 to 55	-10 to 55

\* The UK plug is removable

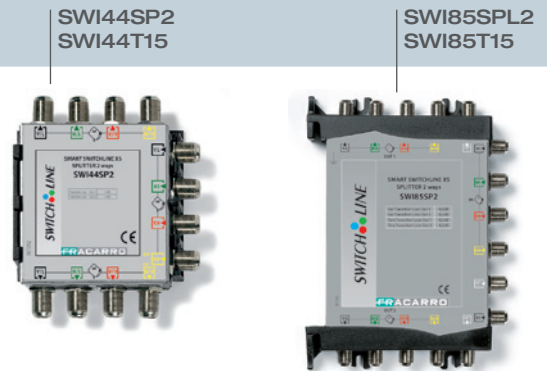
\*\* Also available with UK plug: PSU3000/UK - code 271142

Item	Code	Description	
CVMS-EU	280005	Power cable with European plug to be used with SWI95../UK switches and AMP2000/UK power supply. Cable length 1.6m. Available in individual or multiple packaging (10 pcs).	

## Accessories

### Splitters and taps

- SWI44T15 Tap: DC pass on each trunk line
- SWI44SP2 Splitter: DC pass from output ports to input port on each polarisation
- SWI85T15 Tap: DC pass on each SAT line
- SWI85SPL2 Splitter: DC pass on each SAT line
- Additional F connector for power injection on each SAT input/output (available on the 5 input model)
- Plastic bracket for quick and easy installation
- Standard colour coding for easy installation



New

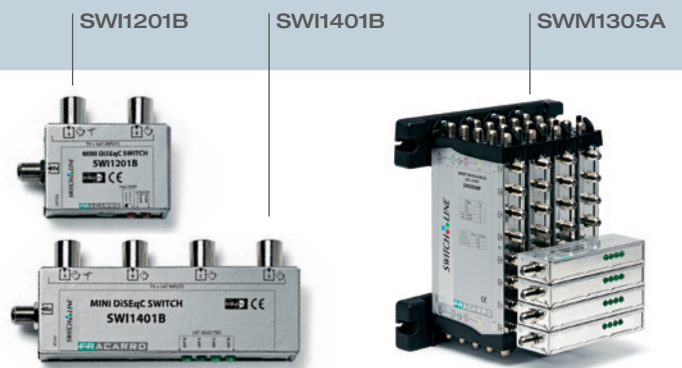
Item Code		SWI44SP2 271091	SWI44T15 271092	SWI85SPL2 271096	SWI85T15 271095
No. of inputs		4 SAT	4 SAT	5 (4 SAT +1 TV) + 1 DC	5 (4 SAT +1 TV) + 1 DC
No. of outputs		4+4	4+4	5+5	5+5
Bandwidth SAT	MHz	950-2150	950-2150	950-2150	950-2150
Gain SAT	dB	-	-16 to -13	-	-12
Insertion loss SAT	dB	4.5	1	4.5	2
Bandwidth TV	MHz	5-862	5-862	5-862	5-862
Gain TV	dB	-	-	-4.5	-12
Insertion loss TV	dB	-	-	-	2
<b>GENERAL PARAMETERS</b>					
Isolation SAT-SAT	dB	≥ 30	≥ 30	≥ 30	≥ 30
Isolation SAT-TV	dB	≥ 30	≥ 30	≥ 30	≥ 30
Dimensions (l x h x w)	mm	90x70x20	90x70x20	198x108x30	198x108x30
Operating temperature	°C	-10 to 55	-10 to 55	-10 to 55	-10 to 55

## Accessories

### Mini DiSEqC

Accessory for modular 8SAT or 16SAT solutions + terrestrial

- SWM1305A Kit (code 271000) available to combine SWI35.. multiswitches and Mini DiSEqC



Item Code		SWI1201B 271071	SWI1401B 271072	SWI1301B 271073	SWI1501B 271074
No. of inputs		2 (1 with TV mix)	4 (1 with TV mix)	2 SAT + 1 TV	4 SAT + 1 TV
Input	A	SAT + TV	SAT + TV	SAT	SAT
Input	B	SAT	SAT	SAT	SAT
Input	C	-	SAT	-	SAT
Input	D	-	SAT	-	SAT
Input	E	-	-	TV	TV
No. of outputs		1	1	1	1
Bandwidth SAT	MHz	950-2150	950-2150	950-2150	950-2150
Insertion loss SAT	dB	1.5	1.5	1.5	1.5
Bandwidth TV	MHz	5-862	5-862	5-862	5-862
Insertion loss TV	dB	2	1.5	2	1.5
Power consumption TV	mA	25	25	25	25
Dimensions (l x h x w)	mm	80x55x45	155x55x45	80x55x45	155x55x45
Operating temperature	°C	-10 to 55	-10 to 55	-10 to 55	-10 to 55