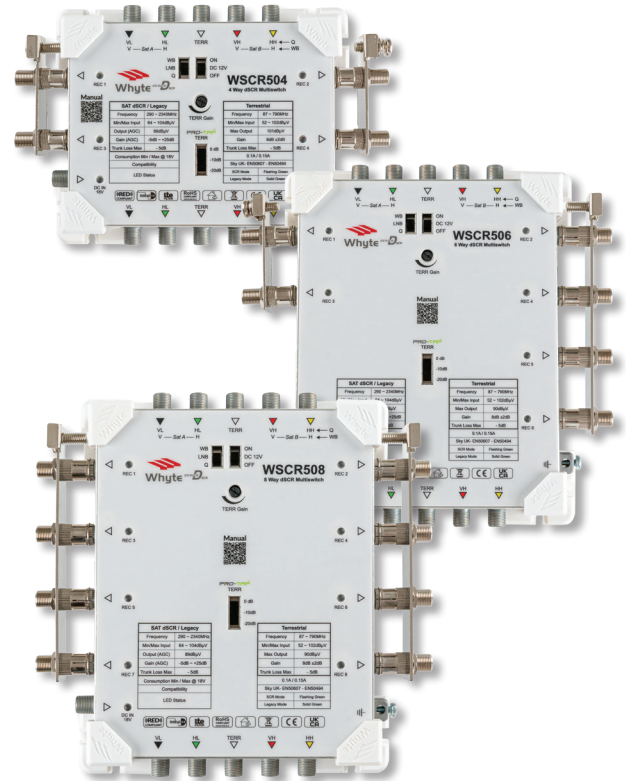


Series D dSCR Multiswitches

WSCR504 | WSCR506 | WSCR508



- 4 years warranty
- High Output Power 89dBμV dSCR / 85dBμV Legacy (AGC)
- Extremely low power consumption (Min / Max) 0.1A/0.15A
- Comes complete with Earth Bars fitted
- TERR Gain Control and Pro-Tap Attenuation switch
- Small form factor
- Features Trunk EQ
- Switchable 12V DC to TERR Input
- Uncomplicated DC powering options
- Easy Integration with all Whyte IRS products
- Highly efficient fanless cooling technology
- Compatible with Quattro & WB LNB's
- 2 Sat reception using 2 x WB LNB's



MODEL		WSCR504	WSCR506	WSCR508
Frequency Range	SAT Wideband	290 - 2340MHz	290 - 2340MHz	290 - 2340MHz
	SAT Quattro	950 - 2150MHz	950 - 2150MHz	950 - 2150MHz
	TERR	87 - 790MHz	87 - 790MHz	87 - 790MHz
Dual Satellite Reception	SAT Wideband (2x WB LNB)	YES	YES	YES
Trunk Inputs (F-Type Female)		4 SAT + 1 TERR	4 SAT + 1 TERR	4 SAT + 1 TERR
Trunk Outputs (F-Type Female)		4 SAT + 1 TERR	4 SAT + 1 TERR	4 SAT + 1 TERR
Tap Outputs (F-Type Female)		4	6	8
Gain	SAT	-5dB ~ +25dB (AGC)	-5dB ~ +25dB (AGC)	-5dB ~ +25dB (AGC)
	TERR	8dB ±2dB	8dB ±2dB	8dB ±2dB
Gain Control	SAT / TERR	AGC / 15dB	AGC / 15dB	AGC / 15dB
Input Levels Min / Max	SAT	64 - 104dBμV *	64 - 104dBμV *	64 - 104dBμV *
	TERR	52 - 102dBμV	52 - 102dBμV	52 - 102dBμV
Trunk Through Loss	SAT / TERR	<-5dB	<-5dB	<-5dB
Return Loss	SAT Trunk Input / Output	>10dB / >10dB	>10dB / >10dB	>10dB / >10dB
	TERR Trunk Input / Output	>8dB / >8dB	>8dB / >8dB	>8dB / >8dB
	Tap Output	>8dB	>8dB	>8dB
Max Output Level	SAT dSCR / Legacy	89dBμV / 85dBμV (AGC)	89dBμV / 85dBμV (AGC)	89dBμV / 85dBμV (AGC)
	TERR	101dBμV	90dBμV	90dBμV
Protean Tap™ (Attenuation Switch)	TERR	0 / -10 / -20dB	0 / -10 / -20dB	0 / -10 / -20dB
Isolation	Trunk Port to Port	>36dB	>36dB	>36dB
	Tap Port to Port	>43dB	>43dB	>43dB
Trunk DC Pass	SAT (per trunk)	YES (2A Max)	YES (2A Max)	YES (2A Max)
	TERR	NO	NO	NO
Impedance		75Ω	75Ω	75Ω
Compatibility (Auto Switching)		Legacy / SKY UK dSCR / EN50607 / EN50494		
Switching Commands	Legacy	13/18V / 22kHz / DiSEqC	13/18V / 22kHz / DiSEqC	13/18V / 22kHz / DiSEqC
	dSCR	DiSEqC	DiSEqC	DiSEqC
dSCR/Legacy Mode Indication (per port)		LED (dSCR Flash)	LED (dSCR Flash)	LED (dSCR Flash)
Power Supply Voltage		18V DC	18V DC	18V DC
Powering	Via DC In	YES	YES	YES
	Via SAT Trunks	YES	YES	YES
	Via Apartment	NO	NO	NO
Power Consumption Min / Max @ 18V		0.1A / 0.15A	0.1A / 0.15A	0.1A / 0.15A
Power Indication		LED	LED	LED
Masthead Supply (switchable)	TERR Input Only	12V DC 100mA	12V DC 100mA	12V DC 100mA
Earth Terminal Bars (Tap Outputs)		Fitted	Fitted	Fitted
Earth Lug		Up to 6mm ² core	Up to 6mm ² core	Up to 6mm ² core
Dimensions including Earth Bars W x L x H (mm)		190 x 126 x 43	190 x 190 x 43	190 x 190 x 43
Weight		540g	660g	710g

*The typical transponder loading of Astra-2 28.2° east requires derating the maximum input level to 83dBμV measured at the most powerful transponder in band/polarity.

Series D dSCR Multiswitches

WSCR512 | WSCR516

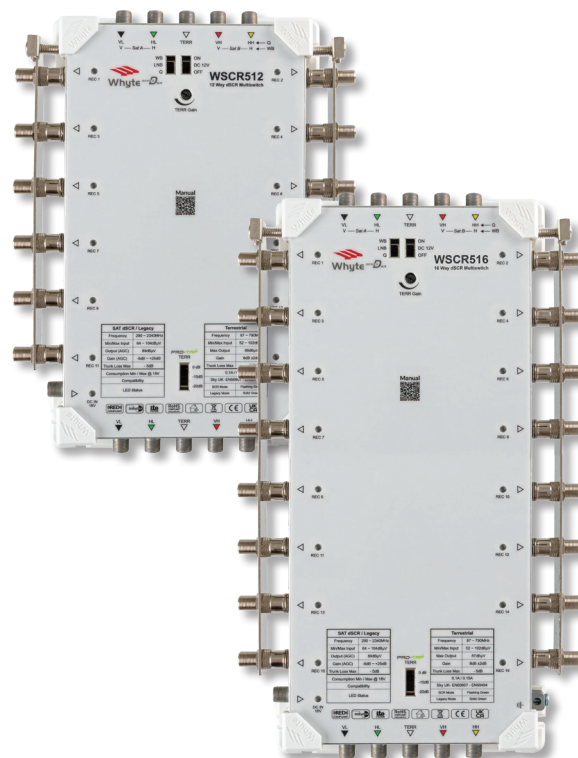


The new 2nd Generation Cascadable dSCR Multiswitch range from Whyte offers substantial enhancements such as higher power output, even lower power consumption, a small form factor and Trunk EQ. The range now boasts 4, 6, 8, 12 and 16-way models. This alongside low loss trunks and high TERR gain make the Whyte Series D range the most versatile and easy to install dSCR Multiswitch available.

Clever cast aluminium housing design means the dSCR Multiswitch can be orientated horizontally without the risk of overheating.

Each subscriber output provides Sky Q, Legacy, TV and Radio services. Satellite subscriber signal levels in both Legacy and dSCR mode are automatically set via AGC.

Terrestrial signal levels are controlled via a manual Gain Control and a selectable Pro-Tap™ which permits a wide range of TERR input signals levels from 50 to 108dBμV. The reception of 2 satellites can be facilitated with 2 Wideband LNB's when WB mode is selected. The unit can be powered directly via the DC Input Port or be remotely powered via the trunk lines.



MODEL		WSCR512	WSCR516
Frequency Range	SAT Wideband	290 - 2340MHz	290 - 2340MHz
	SAT Quattro	950 - 2150MHz	950 - 2150MHz
	TERR	87 - 790MHz	87 - 790MHz
Dual Satellite Reception	SAT Wideband (2x WB LNB)	YES	YES
Trunk Inputs (F-Type Female)		4 SAT + 1 TERR	4 SAT + 1 TERR
Trunk Outputs (F-Type Female)		4 SAT + 1 TERR	4 SAT + 1 TERR
Tap Outputs (F-Type Female)		12	16
Gain	SAT	-5dB ~ +25dB (AGC)	-5dB ~ +25dB (AGC)
	TERR	8dB ±2dB	8dB ±2dB
Gain Control	SAT / TERR	AGC / 15dB	AGC / 15dB
Input Levels Min / Max	SAT	64 - 104dBμV *	64 - 104dBμV *
	TERR	52 - 102dBμV	52 - 102dBμV
Trunk Through Loss	SAT / TERR	<-5dB	<-5dB
Return Loss	SAT Trunk Input / Output	>10dB / >10dB	>10dB / >10dB
	TERR Trunk Input / Output	>8dB / >8dB	>8dB / >8dB
	Tap Output	>8dB	>8dB
Max Output Level	SAT dSCR / Legacy	89dBμV / 85dBμV (AGC)	89dBμV / 85dBμV (AGC)
	TERR	90dBμV	87dBμV
Protean Tap™ (Attenuation Switch)	TERR	0 / -10 / -20dB	0 / -10 / -20dB
Isolation	Trunk Port to Port	>36dB	>36dB
	Tap Port to Port	>43dB	>43dB
Trunk DC Pass	SAT (per trunk)	YES (2A Max)	YES (2A Max)
	TERR	NO	NO
Impedance		75Ω	75Ω
Compatibility (Auto Switching)		Legacy / SKY UK dSCR / EN50607 / EN50494	
Switching Commands	Legacy	13/18V / 22kHz / DiSEqC	13/18V / 22kHz / DiSEqC
	dSCR	DiSEqC	DiSEqC
dSCR/Legacy Mode Indication (per port)		LED (dSCR Flash)	LED (dSCR Flash)
Power Supply Voltage		18V DC	18V DC
Powering	Via DC In	YES	YES
	Via SAT Trunks	YES	YES
	Via Apartment	NO	NO
Power Consumption Min / Max @ 18V		0.1A / 0.15A	0.1A / 0.15A
Power Indication		LED	LED
Masthead Supply (switchable)	TERR Input Only	12V DC 100mA	12V DC 100mA
Earth Terminal Bars (Tap Outputs)		Fitted	Fitted
Earth Lug		Up to 6mm ² core	Up to 6mm ² core
Dimensions including Earth Bars W x L x H (mm)		190 x 255 x 43	190 x 318 x 43
Weight		880g	1300g

*The typical transponder loading of Astra-2 28.2° east requires derating the maximum input level to 83dBμV measured at the most powerful transponder in band/polarity.