

Datasheet

Subscriber / Aux / Line Powered EV5 dSCR 5x2, 5x4, 5x6 and 5x8 multiswitches suitable for SKY Q™ with 16 user bands with auto dSCR / SCR / Legacy capability

EV5-D2S 5 input 2 outputs, 122372

EV5-D4S 5 input 4 outputs, 122389

EV5-D6S 5 input 6 outputs, 122831

EV5-D8S 5 input 8 outputs, 122406

Receiver powered, Cascadable 2, 4, 6 and 8-output dSCR multiswitches, designed for distribution of satellite and terrestrial signals for up to sixteen user bands or receivers on each output. These multiswitches automatically detect dSCR, SCR or legacy format from the receiver as well as Sky Q™ and Unicable dSCR formats. Built into a zinc alloy die-cast housing for extreme interference immunity and supplied with pre-mounted output earth bars. EV5-dSCR multiswitches have the same connector pitch as existing Vision EV5 multiswitches for easy installation. Vision EV5-dSCR multiswitches have active terrestrial gain of up to 8dB typical for similar performance to existing EV5 multiswitches for easy system integration.

- 5 input – 5 output cascaded trunk line
- Ideal for insertion into any existing 5-wire IRS trunk
- Control according to EN 50494/EN 50607/ SKY UK
- Suitable for Sky Q™, SCR Unicable or Legacy mode
- Automatic Gain Control of satellite signal level on all outputs
- Active Terrestrial
- Very low through loss
- Pre-mounted Earth bars
- 4 x DC modes for convenient DC powering options
 1. Receiver Subscriber Power
 2. Auxiliary DC input
 3. DC power to the trunk
 4. DC power from the trunk



EV5-D2S / EV5-D4S



EV5-D6S / EV5-D8S

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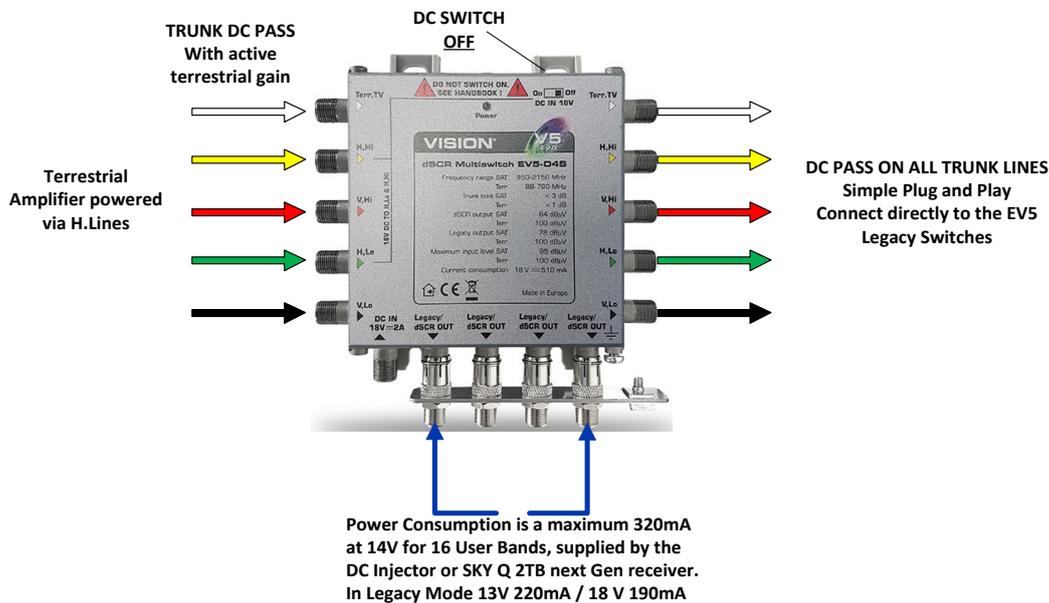
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Model	EV5-D2S	EV5-D4S	EV5-D6S	EV5-D8S
Item Number	122372	122389	122831	122406
Frequency Range SAT	950MHz – 2150MHz			
TERR	5 – 790MHz			
Number of Cascade Inputs/Outputs	4 SAT + 1 Terr.			
Number of dSCR / Legacy outputs	2	4	6	8
Number of SAT user bands	16 per output			
Input level SAT (AGC)	60 – 95dBµV			
Input level Terr (max) (IMD ⁻³⁵)	104dBµV (98dBµV de-rated)	104dBµV (98dBµV de-rated)	95dBµV (89dBµV de-rated)	95dBµV (89dBµV de-rated)
Output at dSCR mode with DTT	SAT 84dBµV (AGC) Terr 103dBµV (97dBµV de-rated*) max			
Output Legacy mode	SAT 78dBµV Terr 103dBµV (97dBµV de-rated*) max			
Gain SAT / Terr	SAT AGC Terr 4dB	SAT AGC Terr 4dB	SAT AGC - Terr +8dB TYP	
Trunk Loss SAT / Terr	<-1.5dB / +2dB	<-1.5dB / +2dB	<-3dB / +1dB	
SAT IF / SAT IF Isolation	>30dB			
SAT IF Input – Output	>30dB			
SAT IF / Terr	>25dB			
DC Consumption from DC Input or H Lines	18V 290mA	18V 530mA	18V 850mA	18V 1.1A
DC Consumption Terr TV amplifier via H lines	15 – 18V 40mA		15 – 18V 70mA	
DC Consumption from STB in legacy mode	13V 220mA : 18V 190mA			
DC Consumption from STB in dSCR mode	14V 320mA for 16 User Bands			
DC Consumption legacy + dSCR mode	18V 260mA for 16 User Bands			
Max DC Pass into the trunk	18V 2.0A			
DC Power Supply	Use EV5-034 121556			
Operating Temperature	-20°C to +50°C			
Dimension inc connectors (mm) / Weight	155 (L) x 134 (W) x 30mm (D)	475g	226 (L) x 133 (W) x 30mm (D)	830g

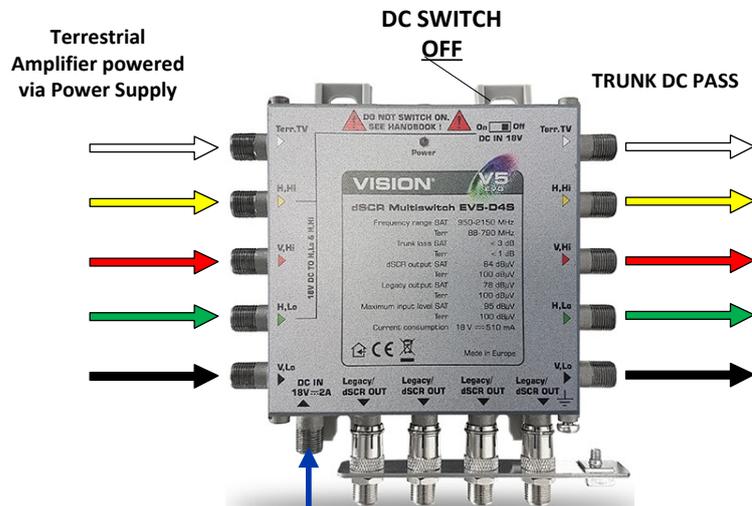
* Note: De-rated figures are the maximum input and output levels for a full compliment of level DTT Muxes.

OPTION 1 SUBSCRIBER POWERED EV5-D2S / D4S / D6S / D8S dSCR MULTISWITCH DC PASS ON SYSTEM TRUNK

In this mode there is No need for additional Mains power points



OPTION 2 LOCALLY POWERED EV5-D2S / D4S/ D6S / D8S dSCR MULTISWITCH DC Switch OFF DC PASS ON SYSTEM TRUNK



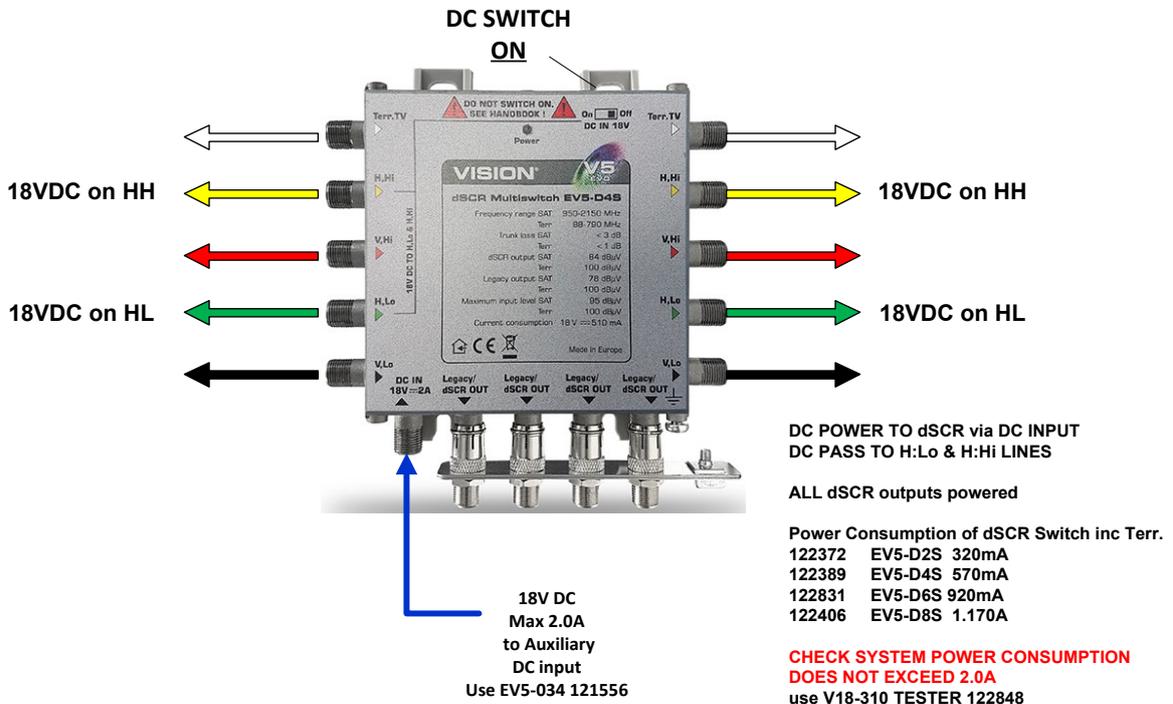
Power consumption Table

- D2S -18V @ 290mA (330mA inc Terr)
- D4S 18V @ 530mA (570mA inc. Terr)
- D6S 18V @ 850mA (920mA inc. Terr)
- D8S 18V @ 1100mA (1170mA inc. Terr) via DC Auxiliary DC Input

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OPTION 3 LOCALLY POWERED EV5-D2S / D4S / D6S / D8S dSCR MULTISWITCH
DC SWITCH "ON"
DC TO SYSTEM TRUNK H:Lo & H:Hi MAX2.0A



OPTION 4 SYSTEM POWERED EV5-D2S / D4S / D6S / D8S dSCR MULTISWITCH
DC SWITCH "ON"
DC FROM SYSTEM TRUNK POWERS dSCR MULTISWITCH / Cascade

