

## Datasheet

### V5-EVO Multiswitches - Mains Powered

#### EV5-508M 5-input, 8-output mains-powered multiswitch

#### EV5-512M 5-input, 12-output mains-powered multiswitch

#### EV5-516M 5-input, 16-output mains-powered multiswitch

#### EV5-524M 5-input, 24-output mains-powered multiswitch

#### EV5-532M 5-input, 32-output mains-powered multiswitch

V5-EVO is tuned to minimise 4G-800 LTE interference and has also been developed for very low current consumption from trunk cables and receivers alike. EV5-xxxM series multiswitches are designed to be used either as stand-alone radial multiswitches for "star" wired networks or to be used in conjunction as a power source with the line powered multiswitches for smaller to medium cascaded networks. These mains-powered multiswitches can be used to power up to six line powered multiswitches and an LNB. EV5-xxxM will power a Quattro LNB via the horizontal and vertical inputs at up to 650mA max. Power is provided from the built-in switch-mode power supply.

EV5 has been developed to minimise 4G-800 LTE interference with built-in filtering of the terrestrial input to 790MHz and sharp filtering and excellent isolation of the satellite inputs. The diecast housing provides maximum screening and is fitted with "slot-on" mounting brackets for easy installation.



Model	EV5-508		EV5-512		EV5-516		EV5-524		EV5-532	
Number of Inputs					4 x SAT + 1 x Terrestrial					
Number of Outputs	8		12		16		24		32	
Frequency Range	SAT				950 – 2400MHz					
	Terr				47 – 790MHz					
Gain SAT	Output 1 - 4		0 to +8dB				Output 1 - 8		-3 to +5dB	
Fixed Slope	Output 5 - 8		-1 to +6dB				Output 9 – 16		-4 to +3dB	
Pre-emphasis	Output 9 - 12				-2 to +3dB		Output 17 – 24		-5 to +1dB	
	Output 13 – 16				-3 to 1dB		Output 25 - 32		-6 to -1dB	
Gain Terrestrial	Output 1 – 4		-1 to +3dB				Output 1 – 8		-2 to +1dB	
	Output 5 – 8		-2 to +1dB				Output 9 – 16		-4 to -1dB	
	Output 9 - 12				-3 to -1dB		Output 17 – 24		-5 to -2dB	
	Output 13 – 16				-4 to -3dB		Output 25 - 32		-6 to -4dB	
Gain Control	Terrestrial				0 – 15dB in 1dB steps					
Output Level SAT (IMD <sup>3</sup> – 35dB)					96dBuV					
Output Level Terr (DIN 45004B) IMD <sup>3</sup> -60										
Output 1-4			91dBuV				Output 1 – 8		89dBuV	
Output 5-8			89dBuV				Output 9 – 16		87dBuV	
Output 9-12					87dBuV		Output 17 – 24		85dBuV	
Output 13-16					85dBuV		Output 25 - 32		83dBuV	
SAT / SAT Input Isolation					>30dB					
Output Isolation SAT / SAT / Terr					>30dB / 35dB					
Rejection TV –SAT / SAT-TV					>30dB / 40dB					
DC Pass from built-in PSU					14V / 18V / (Terrestrial) 12V <0.65A total (12V – 100mA)					
Current consumption from receiver					<65mA					
Control Signals	V/Lo, H/Lo				11.5V – 14.5V/0kHz, 16.5 – 19V/0kHz					
	V/Hi, H/Hi				11.5V – 14.5V/22kHz, 16.5 – 19V/22kHz					
Power Consumption 230V AC 50/60Hz					2W/17W		3W/17W			
without external load/ with maximum external load										
Output earth-bars Quick “F” male to F female										
Saddle & clamp fixing for 6mm earth wire +	2 x 4		2 x 6		2 x 8		4 x 6		4 x 8	
4mm earth post on each corner housing										
Operating Temperature					-20°C to +50°C					
Dimensions mm	253x135x52		293x135x52		333 x 135 x 52		293x135x52		293x135x52	
Weight	0.8kg		0.9Kg		1.1kg		1.7kg		2.1kg	