



V5-EVO Launch & Line Amplifiers

EV5-100T Mains Powered Launch Amplifier

EV5-101T Line / Remote Powered Launch / Repeater Amplifier

EV5 Launch and Line amplifiers are designed for EV5 cascaded and radial multiswitch systems for amplifying satellite and terrestrial trunk cable signals. Each amplifier has four separate SAT IF amplifiers and one broadband terrestrial amplifier in a fully screened diecast housing for added interference immunity. V5-100T and 101T are designed to filter 4G-800 LTE interference. Each model incorporates reliable switched attenuation and slope control on all five inputs. The terrestrial amplifiers use high quality push-pull technology for low distortion and high output capability.



EV5-100T with built-in power supply can be used to power line powered systems including the LNB at up to 2A. EV5-101T can be line powered via its input or output connectors or with a remote power supply (V5-034 recommended). Both models have LED indicators for power and fault indication.

Model		EV5-100T	EV5-101T
Frequency Range	SAT IF Terrestrial		950-2400MHz 47 -790MHz
Gain	SAT IF Terrestrial		22dB 22dB
Gain Control/ Attenuation	SAT & Terr Inputs		0 – 15dB 1dB steps
Slope Control	SAT IF Terrestrial		0 / 3 / 5/ 7dB 0 / 6 / 12 / 18dB
Isolation	SAT / SAT SAT / Terr		30dB 30dB
Noise Figure (typical)			≤9dB
Output IMD ³ -60dB (DIN45004B) Terr			112dBμV
Output IMD ³ -35dB (EN50083-3) SAT IF			114dBμV
External powering	V Lines H Lines Terr Lines		14V 0.5A switchable with LED indicator 18V 2.0A switchable with LED indicator 12V 0.1A switchable with LED indicator
DC Pass switchable via H Lines			2A max when load is shared on H:Lo & H:Hi
Power consumption		230V AC 50Hz 7w without external load	DC 9-18V 4W line powered or external PSU**
Operating temperature range			-20 ⁰ to +50 ⁰ C
LED indicators x 3		Green: 12V on 18V on 14V on / Red: overload/SC	Green 12V on 18V on 14V on
Connectors / Earth Connection		RF F female 4mm2 Earth Post UK mains plug 3A	RF F female 4mm2 Earth Post DC 18V F female
Dimension & Weight		284x 135x52mm 1.0kg	178x135x30mm 0.6kg

** recommended PSU for external remote power is V5-034 18V 2.5A. Use direct connection to EV5-101T or V5-033 DC injector/ line power tap.