

Q-Amp Amplifier



The Hills Q-AMP is the ideal product for domestic and commercial applications. Designed specifically to provide versatile amplification of broadband television signals.

The amplifier comprises of two separate RF circuits, one for each band VHF and UHF. For each band there are two-amplifier stages, a low-power low-noise preamplifier, followed by a more powerful stage.

The unique feature of the Q-Amp is the switchable gain controls between local and remote. For instance, if you are in a remote position, the gain of the amplifier can be adjusted from 24-34dB in UHF and 22-30dB in VHF.

In the local position, the gain is limited to 10dB and 8dB to prevent exceeding the maximum output level. When the received signals are strong (>60dBuV), switch to local. By doing so the first stage amplifier is bypassed, preventing saturation by strong signals.

Added features include improved noise figure, hum and channel loading characteristics together with adjustable gain control for best possible reception even in difficult locations.

The Q-Amp Amplifier is the solution to your many different installation applications. There's no need for many different masthead amplifiers that are VHF only, UHF only or even wideband only. The Q-Amp has it all in a compact weatherproof case.

Insist on Hills Q-Amp Amplifier.

Features:

- Switchable Gains
- Gain Controls
- Improved Noise Figure
- Die-Cast Housing
- 1 or 2 Inputs
- Power ON indication
- Pager / Cellular / FM Filters
- Earth Point Attachment
- Weather Proof Case

Available from
Signal Solution

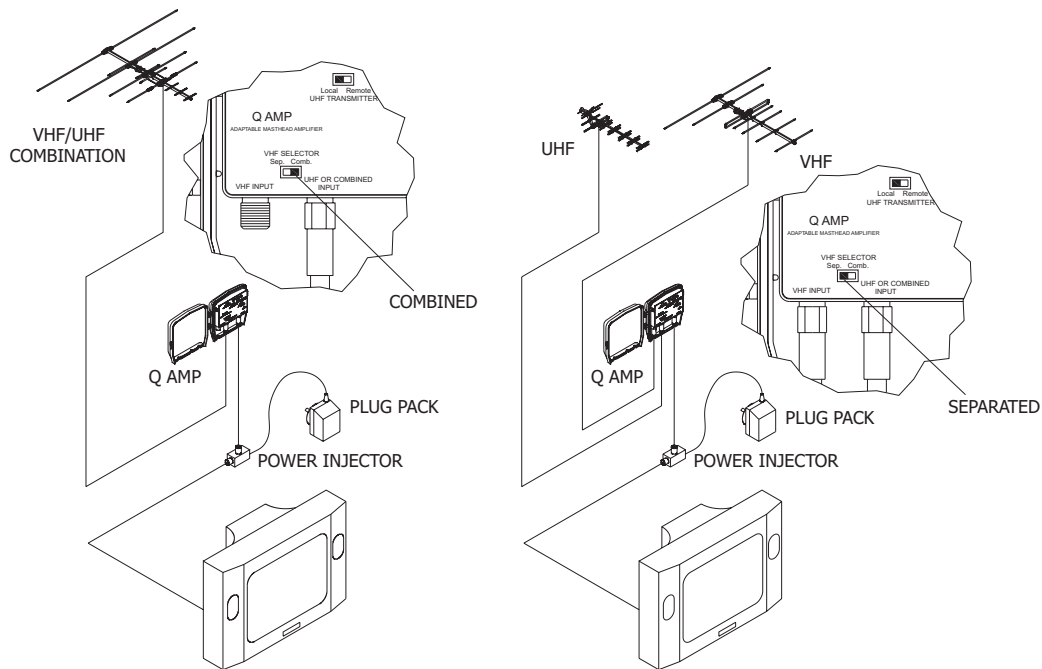
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Q-Amp Amplifier

Installation Layout



| | | | |
|--------------------------|-------------------------|----------------|------------------|
| Product Code | FC658205 | | |
| Frequency Response | Gain | | |
| Band 1 | 45 – 70 MHz | Local 0 – 8dB | Remote 22 – 30dB |
| Band 3 | 174 – 230 MHz | Local 0 – 8dB | Remote 22 – 30dB |
| Bands 4 & 5 | 520 – 860 MHz | Local 0 – 10dB | Remote 24 – 34dB |
| Notch Filters | | | |
| Pager | 148-155 MHz | | |
| Cellular | >900 MHz | | |
| FM Band | -20dB | | |
| Maximum Output | 104 dBuV | | |
| Noise Figure | <3.5 dB @ VHF | < 2 dB @ UHF | |
| All Connections | F-TYPE | | |
| Power Supply | 14 VDC/150mA | | |
| Sealing | IP55 | | |
| Standards and Compliance | C-tick approved, AS1053 | | |