

# Hills

## Q-Amp Digital Masthead Amplifier



The Hills Q-Amp Digital Amplifier is a fully flexible high gain masthead amplifier, designed and manufactured in Australia for domestic and commercial TV reception applications.

The Q-Amp contains separate VHF and UHF low noise pre-amplifiers, which are followed by a more powerful amplifier stage. A high pass filter ensures Band 1 (Ch 0 – 3) and FM signals are not amplified, ensuring better channel loading and improved impulse noise performance.

By switching either frequency to “low gain”, the preamplifier stage is bypassed and the gain is limited to avoid overloading the amplifier. This is recommended when signal levels are greater than approx. 60 dBuV.

Designed with a very low noise figure, minimum distortion and channel loading characteristics and adjustable gain, the Q-Amp can be adjusted to provide optimum reception in even the most difficult locations.

The Q-Amp 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 provides it all in a compact weatherproof case.

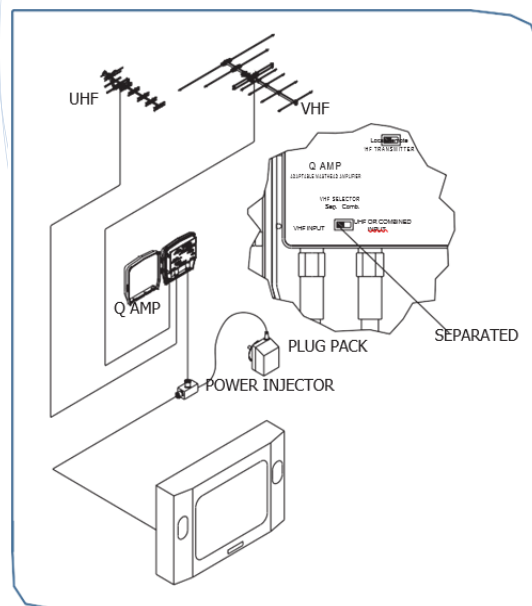
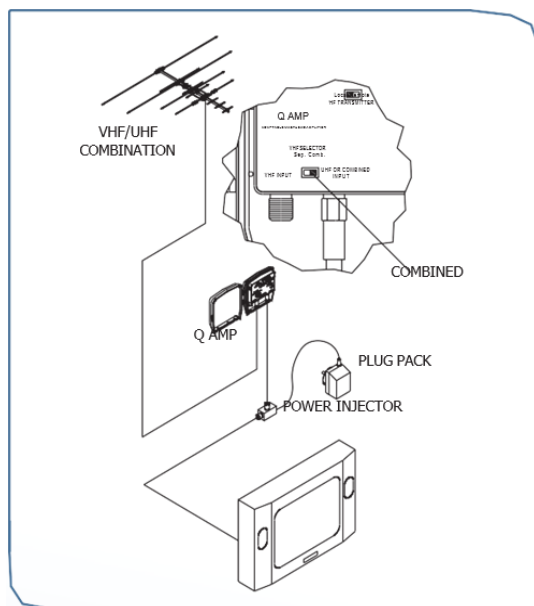
### Models Available

FC658275B	Q-Amp Masthead Amplifier with PSU10P
FC658275C	Q-Amp 4G Masthead Amplifier with PSU10P
FC658261B	Q-Amp Masthead Amplifier with PSU6F
FC658261C	Q-Amp 4G Masthead Amplifier with PSU6F

## Features

- Amplifies VHF & UHF Channels
- Separate or combined VHF & UHF input options
- VHF/UHF/Lo gain (prevents overloading)
- Adjustable gains between amplifier stages
- Low noise figure
- Fully shielded enclosure to eliminate interference
- Weatherproof case included
- Power LED indicator
- Switchable inputs

## Installation Layout



## Specifications

Product Code	FC658275B	FC658275C	FC658261B	FC658261C
Model	Inc. PSU10P	Inc. PSU10P	Inc. PSU6F	Inc. PSU6F
Number of Channels	6-12 (VHF) & 28-69 (UHF)	6-12 (VHF) & 28-51 (UHF)	6-12 (VHF) & 28-69 (UHF)	6-12 (VHF) & 28-51 (UHF)
Frequency Range	177-230/ 527-820MHz	175-230/ 527-694MHz	177-230/ 527-820MHz	175-230/ 527-694MHz
VHF Gain	Local 0-8 & Remote 22-30dB			
UHF Gain	Local 0-10 & Remote 24-34dB			
Maximum Output	104dBuV (DIN45004B)			
Connections	PAL	PAL	F-Type	F-Type
Power supply	14VDC / 150mA			
Noise Figure	<3.5dB @ VHF		<2dB @ UHF	
Stealing	IP55			
Standards & Compliance	C-Tick approved AS/NZS CISPR 13:2004			
4G Filter	✗	✓	✗	✓