

explorer

RV Reception Systems

Education series: What is the difference between an explorer boosted antenna and an amplifier added to any existing antenna. A BIG DIFFERENCE and we will tell you why.

The antenna is the collector of signal (energy). Different channel, different signal. Each style of antenna responds differently to various signals. The challenge for a caravan antenna is that it must work in every location. This is not possible because the perfect antenna has not been developed. So, any antenna is a compromise but which is the least of a compromise?

When we decided to enter the caravan market, we searched for the best antenna available, despite compromise. Explorer staff analysed signal nationally to establish which channels were most needed and included in our kits the antenna which performed on those channels.

The words "boosted antenna" provide the key to the difference between explorer and other antennas. The amplifier is integral to antenna performance and in explorer, it is incorporated in the plastic housing on the antenna, right where the cable is connected. As a result of this feature, the signal is boosted when it is at its raw, maximum level.

If an amplifier is attached by a long or short piece of cable, as a separate unit, some signal is lost. Although a booster is added, its effect is reduced by the components linking the antenna to your TV. The antenna picks up signal which passes through the antenna balun (signal loss). Signal travels down the cable (signal loss), through the connection on the wall (signal loss) and down the cable from outlet to amplifier (signal loss). In addition to losing signal, each connection has the potential to introduce noise, which adds to picture degradation.. A behind-the-set amplifier would boost a reduced amount of signal and an increased amount of noise or interference.

The explorer boosts where the signal is collected, thus eliminating noise and boosting signal. This produces better pictures.

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Telephone: **1800 652 705**

Facsimile: 03 9808 0740

Factory 7/3-5 Scoresby Rd

Bayswater VIC 3153

Australia