

## PRELIMINARY - UG16-001 Easy Leaky Bidirectional Amplifier



This VHF/UHF bidirectional amplifier provides excellent sensitivity and range by our patent pending noise floor reduction method. This unit does not require pilot injection nor manual gain setting.

Typically 12 to 20dB improvement in TX and RX performance over competing technologies enhances coverage and reduces bad spots, while permitting a more complex cabling topology to hold ideal gain levels .

Control and monitoring of the units is accomplished by communication on the cable between units, or by short range secure Wi-Fi.

An unpowered relay-bypass option is available.

### Capabilities

- Bidirectional amplifier
- Pilotless, automatic gain control
- Control by RF on leaky feeder or WiFi
- Low Intermodulation and 30dB control range
- Cable power 18 to 35V
- VHF & UHF ; available 60-960 MHz
- 
- 
- **A CortexRF product**

### Specifications UG16-001

Maximum output power : 1W PEP  
Typical deployed noise floor : -100 dBm  
Power consumption : max 6 Watts  
Cable Interface : Gland and saddles .  
Remote access: RF modem on feeder and 2.4 GHz 802.11b  
Typical RF bandwidth : ~ 3%  
Minimum T/R frequency split : ~ 7%  
Enclosure : Hammond watertight aluminium diecast.