

Eclipse 2

Communications Central
from Falcon Direct, Inc.

Extends radio range plus bridges radios and PC's

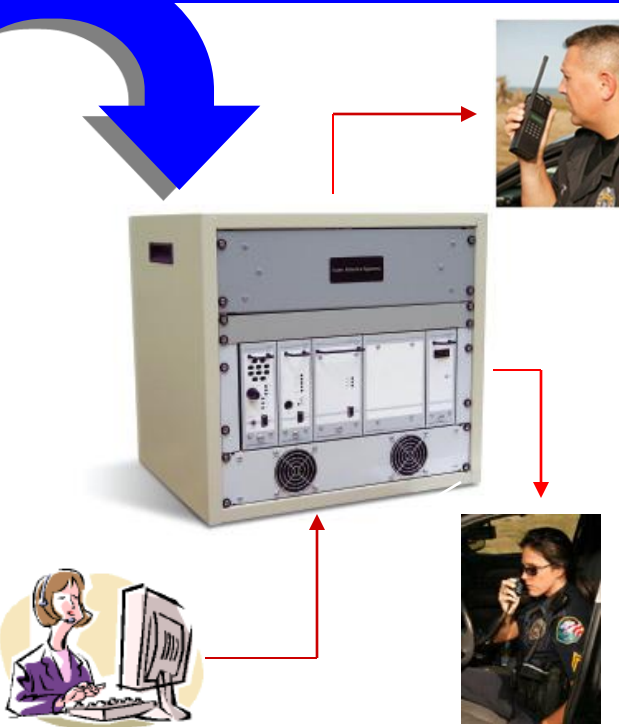
Eclipse 2 is a combination VHF or UHF 2-way radio repeater and a bridge to PC's via the Internet!

Narrow banding of existing VHF and UHF 2-way radio systems must be accomplished before the end of 2012. That's the bad news. The good news is that you can use this opportunity to extend 2-way radio range, networking multiple sites, establishing the capability for later use of P25 digital technology and integrating radios and computers!

Eclipse 2 makes it all possible for no more than the cost of an ordinary repeater! Just connect the Eclipse 2 to the Internet and an antenna system for instant connectivity, right out of the box.

Eclipse 2 allows 2-way radio users to talk directly to Internet connected PC users, Smartphones, even other types of radio systems!

Want more information? Just give us a call at 205.854.2611. Or visit the following web site - www.info4u.us/newlaw.pdf.



The Eclipse 2 allows any Internet connected PC to talk directly to law enforcement personnel on their 2-way radio, links distant sites for networking, and extends 2-way radio operating range!

Mini-Price Guide

- 60/100 watt narrow band repeater - \$7,995!
- Upgrade to P25 digital now or later for just \$3,000 additional!
- Desk mount or specify optional 28" rack \$200, or 30" cabinet - \$600
- Standard 2/3MHz duplexer - \$1,495 or 400/600 kHz duplexer - \$2,995
- Programming software and cable - \$395
- Spare analog exciter/receiver, power supply, and 100 watt PA - \$6,495 (Add \$2,200 for P25)

See www.info4u.us/newlaw.pdf for information on other law enforcement products!



Modular design reduces downtime and maintenance cost!

FalconDirect

Call us anytime, 24/7 at 800-489-2611

RFT Eclipse 2 – P25 Repeater Station



General Specifications:

Frequency Range: 136-174MHz, 440-490 MHz
Channel spacing: 12.5 kHz/ 25kHz
External reference: 5MHz / 10MHz/ 12.8MHz
Monitor speaker output: 3 watts @ 8 ohm
Microphone input: 6 mV RMS @200 ohm
Duty cycle: 100%
Power Supply: +13.8VDC +/-10% (Negative Ground)
Current Drain: 20A Max with 100 Watt RF output power
750mA Max with TX OFF
Operating temperature: -30°C to +60°C

Receiver

Frequency Spread: 38MHz
Frequency Stability: +/-1ppm (-30°C to +60°C)
Frequency Step: <10Hz
First IF frequency: 45 MHz
Second IF frequency: 0 Hz
Sensitivity: 12dB SINAD @ -119dBm (0.25uV) RF Input
Selectivity: 80dB for 25kHz Channel spacing
75dB for 12.5kHz Channel spacing
Spurious Rejection: 90dB
Intermodulation: 85dB
Modulation acceptance: 7.5kHz for 25kHz Channel spacing
3.75 kHz for 12.5kHz Channel spacing
Noise squelch: Adjustable from 0 to 26 dB SINAD
Carrier squelch: Adjustable from -120dbm to -60dBm
Audio Response: 300Hz to 3000Hz
+1/-3dB, Flat or 6dB per Octave de-emphasis
Audio Distortion: < 3%
Line output level: -20dbm to 0dbm @600ohm



Transmitter Exciter

Frequency Spread: 38MHz
Frequency Stability: +/-1ppm (-30°C to +60°C)
Frequency Step: <10Hz
Maximum deviation: 5kHz for 25kHz Channel spacing
2.5kHz for 12.5kHz Channel spacing
Output power: 0.3 Watt to 5 Watt programmable
Spurious & harmonics: <75dBc
Hum & Noise: -52dB for 25kHz Channel spacing
-46dB for 12.5 kHz Channel spacing
Audio Response: 300Hz to 3000Hz
+1/-3dB, Flat or 6dB per Octave de-emphasis
Audio Distortion: < 3%
Line input level: -20dbm to +10dbm @600ohm

Power Amplifier

Frequency Spread: 26MHz
Output Power: 20 to 100Watt related to the RF output from exciter
Spurious & harmonics: <-36dbm



Falcon Direct

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For more information:
205.854.2611