

# Coyote™



## DUAL MODULAR RECEIVER

**Coyote™** is a high performance, modular receiver system providing two unique and independent RSSI measurements using precision dual receivers. Coyote™ is designed from the ground up to provide hot-swappable components including removable/rechargeable Li-Ion battery, Compact Flash™ storage, removable 12-channel GPS receiver module and two removable receiver modules. Optional, GPS-based **Forecaster™** mapping software makes Coyote™ the most comprehensive receiver system available to engineers today.

REMOVABLE RECEIVERS

REMOVABLE GPS RECEIVER

REMOVABLE CF STORAGE

REMOVABLE BATTERY

### FREQUENCIES

Users may install any two at one time of the frequency modules listed. Custom frequencies are also available upon request.

WI-MAX  
MMDS  
ISM  
PCS  
LMR  
IDEN/SMR  
Cellular  
ETACS  
Paging  
WCS  
GSM

\*custom frequencies available upon request



### FEATURES

- Multiple bands supported including Wi-MAX, Cellular, GSM, LMR, PCS, ISM, WCS, MMDS and more
- Dual modular receivers allow users to swap various bands while in the field
- High measurement rate, more than twice that of Dr. Lee's recommended 40  $\lambda$
- Removable 12-channel/12 satellite GPS modular receiver with active antenna
- Removable rechargeable Li-Ion battery system found on standard PC laptops
- Removable Compact Flash (64MB card included) memory system for data storage
- Captured data output via USB and serial ports for connectivity to any PC
- Optional GPS-based mapping **Forecaster™** PC software
- Weighs only 7 pounds fully loaded

Call us today for more information:  
(732) 548-3737 / Fax: (732) 548-3404  
Internet: [www.bvsystems.com](http://www.bvsystems.com)  
E-mail: [info@bvsystems.com](mailto:info@bvsystems.com)



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## DUAL MODULAR RECEIVER



### BANDS SUPPORTED

Wi-MAX:	2.5 or 3.4 GHz
MMDS:	2.5-2.7 GHz
ISM:	2.400-2.485 GHz 900-930 MHz
WCS:	2.30-2.36 GHz
PCS:	Uplink (Blocks A through F) 1850-1910 MHz Downlink (Blocks A through F) 1930-1995 MHz
LMR:	805-825 MHz
iDEN/SMR:	850-870 MHz
Cellular:	824-848 MHz 868-896 MHz
ETACS:	872-905 MHz 915-950 MHz
Paging:	145-165 MHz 450-465 MHz 928-941 MHz

### COYOTE OPTIONS AVAILABLE



*Sieve™ for Coyote is data conversion software that generates 40 λ averaged data.*

*Order removable GPS and swap-able modular receiver combos for a variety of RF studies while still in the field.*



### ORDER YOURS TODAY



*Bring plenty of spare Li-Ion batteries for RF studies lasting all day.*

*Berkeley's optional 2.5-2.7 GHz high performance omni-directional antenna includes a mag-mount with an SMA Male connector perfect for WiMAX drive-studies using the Coyote™ receiver.*

*Forecaster™ is GPS-based coverage validation mapping software that overlays geo-coded RF data onto real maps and generates KML reports for GoogleEarth.*



<b>SENSITIVITY</b>	-118 to -30 dB ± 1 dB (@ 10 kHz IF Bandwidth)
<b>Adj. Chan. Rejection:</b>	>45 dB @ 30 kHz

<b>RECEIVER MODES</b>	Single Channel Multiple Channel (user selectable or sweep)
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<b>DATA AVERAGING</b>	Temporal	Spatial
	512 measurements/receiver/second	512 measurements/receiver/second
	40 Lambda average (user selectable)	

### GENERAL SPECIFICATIONS

<b>Dual Conversion:</b>	83 MHz 1st IF, 455 kHz 2nd IF
<b>IF Bandwidth:</b>	4 kHz, 10 kHz, 25 kHz, 30 kHz, 50 kHz, 200 kHz (@ 6dB)
<b>Stability:</b>	± 2.5 PPM Temp range 32° to 120 F°
<b>Phase Noise:</b>	> 80 DBC/Hz @ 10 kHz
<b>Antenna:</b>	SMA 50 ohm
<b>Controls:</b>	20 button keypad
<b>Warm Up Time:</b>	< 3 minutes
<b>Power:</b>	Internal 10.8 Volt Li-ion battery (3.6 mA) run time 8 hours 12V jack for external power
<b>USB Port:</b>	12Mbits/s (1.5 Mbyte / sec)
<b>GPS:</b>	12-channel receiver
<b>Weight:</b>	7 lbs.
<b>Dimensions:</b>	3.5" H x 6" W x 7.75" L (water resistant, high impact ABS plastic case)
<b>Approvals:</b>	UL, CSA