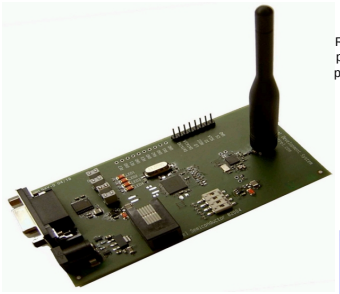
Introducing the . . . .

RadioWire ® Development System

The RadioWire Development system is a multi function development kit that gives the user first hand exper ience of the RF performance as well as in depth development assistance. Its many features allow the user do basic RF parameter testing as well as being a system development platform.



The four different dipsettings allow the user to do a "quick set -up" without using a PC to evaluate the RadioWire product line. The supplied RF Test Bench pc program allow the user to add its personal touch and to perform a system application specific evaluation such at modifying data rate, power management operating frequency and more.

- RadioWire performance evaluation
- Firmware development platform (includes ICD2 interface)
- HW trouble shooting
- Proof of concept

MicrelNet
FHSS Wireless Networking
Royalty/Licensing Free

RadioWire® Product Overview Coming soon,(Four page brochure providing an overview of the MICRF506)

RadioWire Homepage (For more information on the entire RadioWire® family of transceivers and modules)

RadioWire Development System

RadioWire Development System							
Part Number	Frequency range	Output power	Data rate	Sensitivity	RS232 data format	PC program	Comments
MICRF505DEV1	850MHz-950MHz	+10dBm	38.4kbps	-103dBm	9600-8-N-1	RF Test Bench	FCC part 15.247 compliant
MICRF506DEV1	410MHz-450MHz	+11dBm	38.4kbps	-105dBm	9600-8-N-1	RF Test Bench	EN300220 compliant
MICRF600DEV1	902-928MHz	+9dBm	20kbps	-107dBm	9600-8-N-1	RF Test Bench V7	FCC part 15.247 compliant
MICRF610DEV1	868-870MHz	+8.5dBm	15kbps	-107dBm	9600-8-N-1	RF Test Bench V7	EN300 220 compliant
MICRF620DEV1	410-450MHz	+10dBm	19.2kbps	-105dBm	9600-8-N-1	RF Test Bench V7	EN300 220 compliant
EVK433	433MHz	+10dBm	19.2kbps	-105dBm	9600-8-N-1	PC04	EN300-220 compliant
EVK433	433MHz	+10dBm	19.2kbps	-105dBm	9600-8-N-1	PC04	EN300-220 compliant
EVK868	433MHz	+10dBm	19.2kbps	-105dBm	9600-8-N-1	PC04	EN300-220 compliant
EVK915	433MHz	+10dBm	19.2kbps	-105dBm	9600-8-N-1	PC04	EN300-220 compliant

Content	
Part Number	Content
MICRF505DEV1	2 boards w/antenna, RS232 cable, Battery and CD (Source code, reference design ++)
MICRF506DEV1	2 boards w/antenna, RS232 cable, Battery and CD (Source code, reference design ++)
MICRF600DEV1	2 boards w/antenna, RS232 cable, Battery and CD (Source code, reference design ++)
EVKXXX	2 boards, CD and Battery. PCB loop antenna

Design Tools and Resources

Documentation	
MICRFXXXDEV1UG	MICRFXXXDEV1 User guide

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RadioWire Development system CD	
MICRFXXXCD	Latest revision of RadioWire CD

Design Software	
MICRF50X/6X0 RF Test Bench V8	PC based design tool (calculates component values and register configuration)
MICRF50X/6X0 RF Test Bench User Guide	User guide

Development System	
MICRF405DEV1 Development System	Development system hardware information (BOM, Schematics, Gerber files, Firmware etc.)
MICRF505DEV1 Development System	Development system hardware information (BOM, Schematics, Gerber files, Firmware etc.)
MICRF506DEV1 Development System	Development system hardware information (BOM, Schematics, Gerber files, Firmware etc.)
MICRF600DEV1 Development System	Development system hardware information (BOM, Schematics, Gerber files, Firmware etc.)
MICRF610DEV1 Development System	Development system hardware information (BOM, Schematics, Gerber files, Firmware etc.)
MICRF620DEV1 Development System	Development system hardware information (BOM, Schematics, Gerber files, Firmware etc.)
EVK433	433MHz Evaluation kit RFB433B
EVK868	868MHz Evaluation kit RFB868B
EVK915	902-928MHz Evaluation kit RFB915B

Referense Design	
RD505	902-928MHz Two layer reference design
RD506	433MHz Two layer reference design
MICRF6X0	MICRF6X0 Four layer reference design
PA250mW	250mW PA reference design 915MHz. Please contact sales
PA1W	1W PA reference design 915MHz. Please contact sales.
PCBANT	PCB antenna solutions. Please contact sales
RKE	Remote Keyless entry reference design. Please contact sales.