

FLEX-1500™ QRP Software Defined Radio

Defined Radio

The Entry Level QRP Software Defined Radio That is Suited to be the Ideal IF Deck for VHF-Microwave Operation.

The latest addition to the "FLEX" family of software defined radios is the **FLEX-1500**. A low-cost, low-wattage SDR that is positioned to allow ham radio operators the ability to experience the incredible capabilities and just plain fun of operating a software defined radios without breaking the budget. The **FLEX-1500** is the quintessential entry-level SDR from the same company that brought you the innovative FLEX-5000™ and FLEX-3000™ software defined radios. The **FLEX-1500** comes packed with features that make it ideally positioned to be the ultimate low cost, high performance IF deck for VHF-microwave transverter operation. With a price point set below \$700 USD and the continuous improvements and upgrades provided by PowerSDR™, the **FLEX-1500** is by far the best value for any entry-level amateur radio available today produced by any manufacturer.

In addition to the information listed above and below, there is also an extensive [Product Comparison Matrix](#) on the web site that provides side-by-side feature comparison of all FlexRadio Systems *fully* software defined radios.



Front View - FLEX-1500

The **FLEX-1500** is on sale **now** and is slated for delivery in the second quarter of 2010. Order your **FLEX-1500** today. Your credit card will not be charged until your radio is shipped to you.

Low Cost Transceiver with Software Defined Radio Features and Performance

This is a common theme for FlexRadio Systems' software defined radios - a focus on performance and exceptional value. And the **FLEX-1500** continues that tradition for a transceiver in the sub \$700 price class.

No External Sound Card is Required

Just like all of the software defined radios in the FLEX family, the **FLEX-1500** does not require an external sound card for the A/D and D/A conversion, so there are no cumbersome audio cables to mess with. Just a single USB connection to your computer is all you need to operate the **FLEX-1500**.

Small Form Factor Facilitates Portable Operation

Like its "bigger brother" the **FLEX-3000**, the **FLEX-1500** is a space

Just Some of the FLEX-1500 Features...

Full HF/6m transmit capability - General coverage receiver

BNC Connector for interfacing an external high precision clock source for ultra high frequency stability needed for VHF+ operation.

A/D and D/A converters operating at a sampling rate of 48 KHz.

Built In Test Equipment (BITE) for hassle free calibration

Optimized reception for the ham bands and a general coverage receiver.

Multiple RF outputs for transverter IF or "full gallon" QRP operation

21 dB low noise RF preamp for increased sensitivity on the upper bands

Simple USB interface to the computer eliminates messy cabling that plagues other QRP software defined radios.

Compatible with all versions of USB controllers installed in any Windows personal computer.

External connectors for

Fully Compatible with FlexRadio PowerSDR and the New "Next Generation" SDR Software Architecture.

The **FLEX-1500**, like all of the software defined radios in the FLEX family, is designed specifically for the current standard in SDR software for amateur radio use; PowerSDR. And it will be 100% compatible with any future SDR software from FlexRadio Systems. This ensures that the **FLEX-1500** will just keep getting better with convenient software updates from the Internet.

5 Watt PA for 160 to 6m QRP Operation

The **FLEX-1500** is a low power software defined radio with an RF output of 1 milliwatt (0 dBm) PEP on 160-6m using the transverter antenna connector(s). Five (5) watts nominal RF output is available using the transceiver

optimized software defined radio measuring in at approximately 4" x 6" x 2". in an all aluminum case.

Designed for most types of operating conditions, the **FLEX-1500** is small in size, light weight and has low power consumption.

High Gain Preamp for Increased Sensitivity.

Sensitivity, not blocking dynamic range is important for a weak signal operation. The FLEX-1500 can be configured for weak signal operation using low-noise, high gain pre-amplifiers or attenuate it for increased blocking dynamic range.

band data, asserting PTT, headphones, key and microphone.

* Specifications will be made available when lab testing is completed

antenna connector.

The Perfect IF Deck for VHF-Microwave Transverters

The **FLEX-1500**, with its ultra low power output and 10 MHz input for an external high stability clock source, when combined with PowerSDR it becomes an ideal IF deck for driving VHF+ transverters.

FlexWire™ Version 2 Port for Control of external devices

In order to interface with external devices like relay control for transverters, key out for transmit and sequencing for preamps and power amplifiers, the FLEX-1500 will have the external interface capability needed to be a full featured IF deck for VHF-microwave transverters.

All FlexRadio Systems products are designed, manufactured, assembled, quality checked and calibrated in Austin, TX USA.

Product features, delivery dates and specifications subject to change without notice