FlexRadio Italia - 4O3A Signature

PRESS RELEASE

Gallarate, Italy   -   Igalo, Montenegro   -   February 28th, 2018

FlexRadio Italia and 4O3A Signature, with the support and recognition of FlexRadio Systems USA, are pleased to announce their joint presence at Montichiari (Brescia) Ham Radio Exhibition on March 10 and 11, 2018. In this European "first", we will be pleased to present the new Flex-6400 and Flex-6600M SDR transceivers coupled with the new Power Genius XL linear amplifier. The Maestro control console will also be available for remote operations demonstrations. Also the Antenna Genius, the Rotator Genius and the Station Genius, developed by 4O3A Signature, will be available at the booth. In addition, with the support of Mr. Marcus Roskosh (DL8MRE), designer of the iOS App, it will be possible to familiarize with SmartSDR™ for iOS, the official FlexRadio client software for iOS devices. Marcus presentations will be scheduled for Saturday afternoon and Sunday morning. Timetable to be announced.

Flex-6600M

The 6600M offers the ultimate performance direct sampling SDR technology and the best value for the serious HF/6m operator. It shares the same game changing band awareness, industry leading phase noise performance/ receiver dynamic range, and brick wall filters to give you the advantage in the most competitive DXing or contesting activities while maximizing your fun in casual operations. With a PC, laptop, or Mac client, you can utilize up to four 14 MHz spectrum/waterfall displays and independent band/ mode receivers to revolutionize your view of the bands, especially on digital modes.

Flex 6600M Feature Highlights

- Native Remote Operation:Using Maestro, PC, Laptop, iPad or iPhone

- SDR Architecture:Direct Sampling

- Independent High Performance Receivers: Four (4)

- Reciprocal Mixing Dynamic Range (RMDR): 116dB

- Spectral Capture Units (digitizers): Two (2)

- Diversity Reception Capable using Separate Antennas: Yes

- Single Operator Two Radios (SO2R) using one FLEX-6600: Yes

- Contest Grade Preselectors:7th Order on contest bands; 3rd order on remaining bands

- Maximum Panadapter Bandwidth: 14 MHz

- Radio Control Surfaces:Ergonomic tactile controls with touch screen interface

- Integrated Display: 8-inch 1920x1200 IPS Display

- External Display: 1920x1200 WUXGA via HDMI interface

- Antenna Connectors: SO-239x2; XVTR-BNCx2, RX-IN-BNCx2

- Wideband Frequency Coverage: 30 kHz - 54 MHz

- Transmit Frequency Coverage: 160-6m amateur bands, 100W nominal output

- Transverter IF Frequency Coverage: 100 kHz - 54 MHz

- Full Duplex Operation: Yes

- Digital Audio Exchange (DAX) Channels: Four (4)

- DAX IQ Channels/Bandwidth per Channel (DAXIQ): Four (4)

PowerGenius XL – FlexRadio 1500W Solid State Amplifier

The PowerGenius XL is a 100% duty cycle, legal limit (1500W ICAS) 1.8-54 MHz RF amplifier intended for both amateur and government use. It incorporates a pair of modern NXP MRF1K50H LDMOS transistors that are individually capable of 1.5 kW thus providing plenty of headroom for lowest IMD and spurious output. Efficiency and spurious performance are also enhanced through the use of diplexed filters.

Amplifier Feature Highlights

- 1.8–54 MHz coverage

- Full legal power 1500W (100% duty cycle ICAS), in all modes, up to 2000W

- First ever MEffA™ system (Maximum Efficiency Algorithm) control efficiency as function of output power

- Fully SO2R capable - 70dB nominal isolation between exciter inputs

- Smart control of cooling - real time settings of drain voltage, drive and fan speed for best thermal performance

- Exceptional spurious performance owing to diplexed filters for carrier and harmonics

- Ultra fast SWR protection

- Remote control with desktop application in LAN or WAN networks

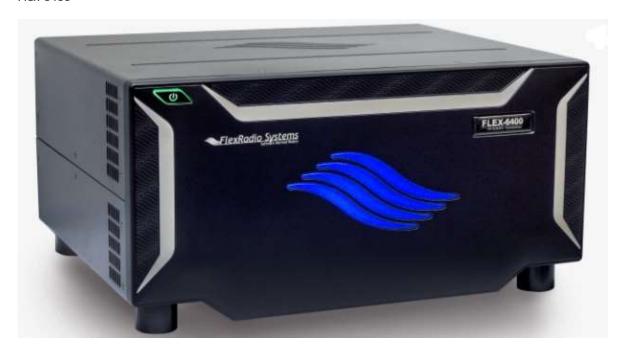- CAT, Band decoder, LAN interface for operation with other exciters

Flex-6400

Both the FLEX-6400™ and FLEX-6400M™ offer the latest direct sampling SDR technology at an economical price for the general HF/6m operator yet they offer excellent performance for chasing DX and contesting. **The FLEX-6400 model is designed for the Ham who wants to operate the radio exclusively as a server from PC, laptop, Maestro, Mac, or iOS clients – whether local or remote**. Both models share the same game changing band awareness, industry leading phase noise performance, brick wall filters, and legendary audio performance to deliver you the most fun across a wide variety of operating styles.

FLEX-6400 Feature Highlights

- Native Remote Operation: Using Maestro, PC, Laptop, iPad or iPhone
- SDR Architecture: Direct Sampling
- Reciprocal Mixing Dynamic Range (RMDR): 116dB
- Independent High Performance Receivers: Two (2)
- Maximum Panadapter Bandwidth: 7 MHz
- Radio Control Surfaces: Ergonomic tactile controls with touch screen interface
- Integrated Display: 8-inch 1920x1200 IPS Display
- External Display: 1920x1200 WUXGA via HDMI interface
- Antenna Connectors: SO-239x2, BNC XVTRx1, BNC RX-INx1
- Wideband Frequency Coverage: 30 kHz - 54 MHz
- Transmit Frequency Coverage: 160-6m amateur bands, 100W nominal output
- Transverter IF Frequency Coverage: 100 kHz - 54 MHz
- Full Duplex Operation: Yes
- Digital Audio Exchange (DAX) Channels: Two (2)
- DAX IQ Channels/Bandwidth per Channel (DAXIQ): Two (2)

About **FlexRadio Systems USA**

FlexRadio Systems is a pioneer in the design and development of software defined radios (SDRs) for the amateur radio market. Founded in 2003, FlexRadio was the first to introduce an SDR radio to the amateur community allowing for the personality, functionality and performance of the radio to be upgraded through simple software downloads. This revolution by FlexRadio Systems allowed for the evolution of amateur radio as we know it today. FlexRadio Systems is headquartered in Austin, Texas, USA. For more information, please visit www.flexradio.com or follow FlexRadio Systems on Twitter or Facebook.

About **FlexRadio Italia**

FlexRadio Italia is the exclusive partner distributing FlexRadio products and services to the Italian market. Pre-sales and installation consulting, start up and recurrent training, and a truly customer-centric support policy will ensure new and returning FlexRadio customers the highest level of satisfaction and support. FlexRadio Italia will address amateur-radio, government and military market segments.

About **4O3A Signature**

SKY SAT Communication (d/b/a) 4O3A Signature, is a key business partner of FlexRadio Systems. Established in 1991 and located in the picturesque hills of Herceg Novi - Montenegro, the company is mainly focused on radio and TV broadcasting equipment, as analogue or digital. Well known as reliable partner and supplier of many broadcasters, SKY SAT equipped more than 400 broadcasters with transmitters. SKY SAT is a formidable supplier of digital TV equipment and technical services employing advanced technology for all kind of terrestrial TV network equipment. For the OM market, 4O3A Signature has designed and currently manufactures the POWER GENIUS XL linear amplifier offered by FlexRadio Systems Other products offered directly by 4O3A Signature include the Antenna Genius, the Rotator Genius and the Station Genius.

About **Marcus Roskosch**

Marcus Roskosch, www.creating-your-app.com, Germany has a partnership with FlexRadio to develop and market FlexRadio client software for iPad and iPhone devices. Marcus develops Apps since 2008 for iOS, Android and Windows. With his Apps he won prestigious prices such as the EMMAs Award in 2010 for an App he developed for NXP or the PCMAG Best of the Year for his Network Toolbox App in 2013. Since 2016 his App SmartSDR™ for iOS is the official FlexRadio client software for iOS devices. Marcus is a passionate developer and HAM radio enthusiast and his call-sign is DL8MRE.

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