

Multiple Receiver Operation (MRO), Dynamic Spectrum and Demodulation "hand-off", Differential Signal Analysis (DSA), and Live View Analysis (LVA) are supported with (optional) Kestrel TSCM™ Professional Software.



The ability to deploy and "hand-off" spectrum and demodulation functionality to different search receivers and spectrum analyzer types and models is fully supported with (optional) Kestrel TSCM™ Professional Software.

Kestrel TSCM™ Professional Software

Signal Intelligence Support System (SISS)™

Introducing support for the Signal Hound Spectrum Analyzer and Measuring Receiver. The Kestrel TSCM™ Professional Software is an innovative and bold new tactical approach, taking full advantage of significant, technological advances in Software Defined Radio (SDR) principles. The Kestrel TSCM™ Professional Software is a recently developed; professional level; RF collection and analysis resource that is packed with operator centric, work flow based features and functionality designed by Professional Development TSCM Group Inc., over a period of 35 years. Our software is available to technical security professionals worldwide. Our software includes numerous advanced concepts far beyond those currently available; and supports a wide range of search receivers and spectrum analyzers. Our Technical Research and Standards Group (TRSG) continues to develop innovative deployment methods; enhanced by hardware and software features; and functionality. Our ability to adapt and support virtually any SDR receiver hardware; includes the Signal Hound (1 Hz to 4.4 GHz) and (100 kHz to 12.4 GHz) digital receivers. ✂



Key Features

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- Signal Hound receivers offer a low cost portable spectrum surveillance, TSCM and facility monitoring solution with excellent technical performance. ✂
- Multiple receivers, low profile antennas and a suitable laptop computer easily fit in a standard computer shoulder bag or backpack, making travel a simple and secure task. ✂
- The Kestrel LAN Remote (KLR) provides a standard USB / LAN interface for remote deployment and operation of receivers. ✂
- Receivers are powered by a USB 2.0 (USB 3.0) port; no external power source is required. ✂
- High Speed USB 2.0 port communication at 480 Mbps is fully supported. ✂
- Powerful Digital Signal Processing (DSP) is a function of the host computer providing upgradability. ✂
- Resolution bandwidths (RBW) of 0.1 Hz to 250 KHz and 5 MHz (6 MHz - SA124B Only). ✂
- 6 MHz RBW IF output centered at 36.1 MHz (SA124B Only). ✂
- Many advanced TSCM specific features and functionality are available with our optional Genesis ECM™ Software or the Kestrel TSCM™ Professional Software. ✂

"Innovation is Simply the Beginning..."

Specification Overview (USB-SA44B)

- Frequency Range:**
1 Hz to 4.4 GHz
- Low Noise Amplifier (LNA):**
Switchable above 500 kHz
- Wide Dynamic Range:**
-151 dBm to +10 dBm
- I/Q Instantaneous Bandwidth:**
Up to 240 kHz
- Sweep Rate:**
Up to 140 MHz per second
- Real-Time Demodulation Modes:**
AM / FM / USB / LSB / CW

Specification Overview (USB-SA124B)

- Frequency Range:**
100 kHz to 12.4 GHz
- Low Noise Amplifier (LNA):**
Integrated (Non-Switchable) above 500 kHz
- Wide Dynamic Range:**
-151 dBm to +10 dBm
- I/Q Instantaneous Bandwidth:**
Up to 240 kHz
- Sweep Rate:**
Up to 140 MHz per second
- Real-Time Demodulation Modes:**
AM / FM / USB / LSB / CW

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