

 **spectrapulse™**
ultra wideband wireless microphone system

simple
secure
revolutionary

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ultra wideband wireless microphone system



 **audio-technica®**
always listening™

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mtu101



drm141



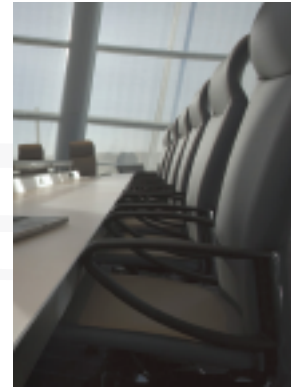
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simple operation

**Bypass RF interference with the UWB pioneer: SpectraPulse™
Only from Audio-Technica.**

Audio-Technica's breakthrough SpectraPulse wireless microphone system is designed for plug-and-play simplicity, rock-solid performance, and impenetrable security.

Ideal for conferences, courtrooms, corporate events and more, SpectraPulse bypasses the RF bottleneck to deliver clear, intelligible audio with none of the performance and set-up issues associated with conventional wireless microphone systems.



simple

No "white space" issues

No frequency hunting or coordination

No problems in crowded RF environments

No interference

No security problems

Just plug it in. Turn it on. Talk.
And listen to the sound of a communication revolution.



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secure communications

Inherently secure system with added encryption available.



Audio-Technica has partnered with MSSl, the industry leader in the development of Ultra Wideband (UWB), to introduce a new application of proven, patented UWB technology.

SpectraPulse offers levels of security that have never before been commercially available in wireless microphone systems.

The SpectraPulse wireless system transmits information at below-noise-floor levels in timed sequences—very short pulses at very high frequencies—that function as a code. In order to decode the pulses, the Digital Receiver Module must know exactly when to listen. This makes UWB inherently secure.

An optional encryption package is also available to add the ultimate level of security to this naturally secure form of wireless communication. In fact, SpectraPulse encryption meets the NIST-approved AES encryption standard developed by the U.S. government for securing sensitive material.



secure



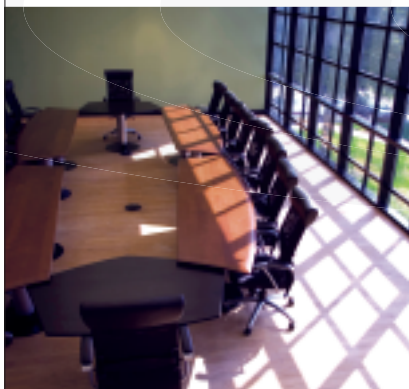
drm141



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revolutionary technology

What is UWB?



UWB stands for Ultra Wideband, a technology that allows for the wireless transmission of data in extremely short-duration pulses over a wide spectrum of frequencies. Instead of existing on a particular frequency, these short pulses—imagine them as tiny bursts of electrical noise—exist on all frequencies at the same time.

Ultra Wideband communications bypass the increasingly congested RF environment, for clear, simple, secure and trouble-free wireless communication. This extremely versatile technology has only recently been licensed for commercial use by the U.S. Federal Communications Commission (FCC).

SpectraPulse system components

SpectraPulse mtu101 Boundary Microphone Transmitter Unit

Equipped with a touch-sensitive switch that can be programmed for push-to-talk, push-to-mute, or toggle operation; on/off switch; channel selector; LEDs indicating power, mute and link status; low-battery warning and more.

SpectraPulse drm141 Digital Receiver Module

Unlike a typical wireless system that uses a separate receiver for each channel, the SpectraPulse UWB Wireless Microphone System uses a single Digital Receiver Module for 14 channels. The drm141 functions as both the UWB receiver and antenna.

SpectraPulse aci707 Audio Control Interface

The SpectraPulse aci707 Audio Control Interface provides a control platform to set the system functions, including push-to-talk, push-to-mute, and toggle operation. Closure outputs for activating lights, cameras, etc.

SpectraPulse cei007 Charger Encryption Interface

Use the SpectraPulse cei007 Charger Encryption Interface to recharge up to seven Microphone Transmitter Units and add optional encryption.

SpectraPulse sep128 System Encryption Package Software

This optional security package provides encryption that meets the NIST-approved AES 128-bit encryption standard.

revolutionary