



- Digital Hybrid Wireless® technology
- Standard thread-on capsules
- Membrane switch and LCD interface
- AA battery power
- Selectable RF power at 25 and 50 mW
- Programmable talkback/mute feature

The HH/E01 Digital Hybrid Wireless handheld transmitter represents an elegant solution for a variety of wireless microphone applications including live performance, broadcast, AV rental and houses of worship. Along with providing peerless audio quality with wide frequency response and dynamic range in native Digital Hybrid mode, a DSP algorithm also provides compatibility with Lectrosonics Euro version IFB receivers.

The machined aluminum body forms the counterpoise for the helical antenna that extends from the bottom of the chassis to transmit the RF output very efficiently. The position of the battery compartment and circuitry yields a very comfortable balance when held in the hand or mounted on a microphone stand.

Interchangeable Capsules

Lectrosonics offers the HHC cardioid condenser capsule. Thread-on capsules from other manufacturers using a 1.25" opening and 28 thread pitch can also be used, including those from manufacturers such as EV, Shure®, Heil Sound™, Telefunken® and others.*



Digital Hybrid Wireless®

Digital Hybrid Wireless® is a revolutionary design that combines digital audio with an analog FM radio link to provide both outstanding audio quality and exemplary, noise-free RF performance. Using a patented algorithm to encode 24-bit digital audio information in the transmitter into an analog format, the encoded signal is then transmitted over an analog FM wireless link. At the receiver, the signal is then decoded to restore the original digital audio. This process eliminates compandor artifacts and produces an audio frequency response flat to 20 kHz.

(US Patent 7,225,135)

* Shure and Telefunken are registered trademarks of their respective companies and have no association with Lectrosonics. Heil Sound is a trademark of Heil Sound Ltd.

Selectable RF Output Power

The HH transmitter provides two output power settings to either extend operating range or extend battery life as needed for a particular application. The lower RF output power setting uses slightly less current, thus battery life is increased. The higher power setting provides greater range and resistance to dropouts. Output power is selected with a control panel menu item.



Battery Compartment

AA batteries are securely nested in a compartment under the control panel. A lever is provided to assist in removing them easily.



Mute and Talkback Functions

The button on the back of transmitter next to the battery compartment can be configured for a **mute** or **talkback** function, or disabled. In the mute mode, audio is muted in a "latching" manner: push to mute, push to enable. The talkback mode provides a private audio channel normally used for crew communications. In the talkback mode, audio will be routed to a different module in the Venue receiver while the button is held in.

Talkback functionality requires a receiver with a firmware version that enables this feature.

Specifications

Operating frequencies: †

Block 470	470.100 - 495.600
Block 19	486.400 - 511.900
Block 20	512.000 - 537.500
Block 21	537.600 - 563.100
Block 22	563.200 - 588.700
Block 23	588.800 - 614.300
Block 606	606.000 - 631.500
Block 24	614.400 - 639.900
Block 25	640.000 - 665.500
Block 26	665.600 - 691.100

Frequency selection:

256 frequencies in 100 kHz steps (except block 23, 606, 33 and 779 - contact Lectrosonics for details)

RF Power output:

Selectable at 25 or 50 mW

Pilot tone:

25 to 32 kHz frequency (400 Series only);
3 kHz deviation

Frequency stability:

± 0.002%

Deviation:

±50 kHz max.

Spurious radiation:

90 dB below carrier

Input compressor:

Dual envelope compressor, >30 dB range

Gain control range:

44 dB; semi-log menu-driven control

Modulation indicators:

Dual bicolor LEDs indicate modulation of -20, -10, 0 and +10 dB referenced to full modulation, LCD bar-graph indicator

Frequency response

40 Hz to 20 kHz (+/- 1dB)

Low frequency roll-off:

-3 dB @35, 50 and 70 Hz, 36 dB/octave, selectable

Antenna:

Integral

Controls:

External:

Programmable mute/talkback button

Battery compartment:

Power, mute disable, menu/select, back and up/down arrow buttons for menu selection and settings.

Battery:

2x AA with polarity protection and battery ejector

Battery life:

At 50mW: 6 hours (alkaline); 8-10 hours (lithium)
(The HH transmits battery status to Lectrosonics Digital Hybrid receivers)

Capsule Interface:

1.25" opening and 28 thread pitch
Power available: 5V, 25 mA max
Input impedance: 1000 Ohms

Weight:

11.4 oz. with lithium batteries and HHC capsule

Dimensions:

9.5" long x 1.97" diameter at largest point

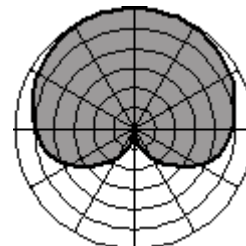
Emission Designator: 180KF3E

Specifications subject to change without notice.

† Not all frequency blocks are available in all countries. Consult your local representative or contact Lectrosonics for more information.

CE1313

**Lectrosonics HHC
Electret Capsule -
Cardioid Pattern**



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