

# FUSION 4 CHANNEL

## OVERVIEW

The wireless conferencing system shall utilize an (4) channel wireless microphone transceiver integrated with a DSP processor and telephone hybrid. The system shall utilize 128-bit encryption to pass 100 Hz to 6.8 KHz audio for the accurate reproduction of human speech in audio and video conferencing applications. The system shall indicate individual microphone mute status through individual LED status indicators for each channel on the receiver.



4 Channel Flat with Dialer and Mics

## BASE

The system base unit shall serve as the central audio console apart from the amplifier and shall provide pre-determined, specific audio mixes to designated output jacks on the unit. The base unit shall provide the insertion of an Auxiliary unbalanced monaural line level signal on a RCA jack and provide both an Auxiliary and Record unbalanced monaural line level output on RCA jacks. The base unit shall provide Conf Out as both an unbalanced monaural line level signal on a RCA jack and as a balanced monaural mic level on a male XLR jack. The base unit shall provide a Conf In unbalanced monaural line level signal on a RCA jack. An RJ11 LINE IN connection shall allow a single POTS telephone call to be included in the conference. A second RJ11 SET IN connection shall allow the use of a POTS telephone as a monitor and dialer. Two sets of 8 rear mounted dip switches shall allow the only customization of unit settings.

## MICROPHONES

The system shall allow the use of multiple wireless microphone types (Wearable, Omni Boundary, Directional Boundary, XLR Adapter) each with rechargeable Lithium Polymer battery providing up to 8 hours use per full charge. Wireless operation shall be within the 1.92 to 1.93GHz (UPCS North America) or 1.88 to 1.90GHz (DECT EU) RF Spectrum. All microphones shall be impervious to GSM noise through the use of RF-Armor™ shielding. Each microphone shall have single button operation for power, mute and pairing. A multicolor LED shall be utilized for visual indication of mute, pairing and connection status. Each microphone shall provide analog audio output via 2.5 mm unbalanced port for use with an ear phone.

## CHARGER

The wireless conferencing system shall include a base to recharge (4) microphones via proprietary 4 pin jack. Signals from a rear DC power input port shall be divided evenly to all microphones. The charging base shall include a System Mute button and status indicator LED.

## WARRANTY

The manufacturer shall provide a limited warranty on all branded hardware products that shall begin on the date of the end user invoice and end 365 days later. The limited warranty begins with a 90 day complimentary service and support on all parts. Please refer to the Revolabs Professional Products limited warranty terms and conditions. RevoCARE is also available to extend the coverage of the product for up to 3 years.

DIMENSION AND WEIGHT		W" (cm)	D" (cm)	H" (cm)	Lb (kg)
Base		16.45" (41.80)	8.46" (21.50)	3.42" (8.70)	7.80 (3.53)
	Charger	8.30" (21.10)	4.30" (10.90)	1.00" (2.56)	1.10 (0.49)
MICROPHONES		W" (cm)	D" (cm)	H" (cm)	Lb (kg)
Model	01-EXEMICEX-BLK-11	0.90" (2.30)	0.80" (2.03)	2.60" (6.60)	0.05 (0.02)
	05-TBLMICEX-OM-11	1.50" (3.80)	0.80" (2.03)	3.30" (8.40)	0.05 (0.02)
	05-TBLMICEX-DR-11	1.50" (3.80)	0.80" (2.03)	3.30" (8.40)	0.05 (0.02)
	06-XLRMIC-BLK-11	0.90" (2.30)	0.80" (2.03)	4.00" (10.20)	0.05 (0.02)
POWER REQUIREMENTS		24V DC, 2.5A locking power connector Power supply included; 100-240V, 50-60 Hz 5V DC, 2A 100-240V, 50-60 Hz			
	Base				
	Charger				
ENVIRONMENTAL REQUIREMENTS		40 to 100 C (Operating) 20% to 85%			
	Temperature				
	Humidity				

The Revolabs Fusion 4 Channel system is specified.