

Individuals with cardiac pacemakers and other similar medical devices should consult with their physician before using any RF devices. Though the output level of this wireless system is below 50 milliwatts, the proximity of the transmitter to the implant device could pose a threat.

As with any wireless product, environmental conditions can reduce or in some cases prohibit a successful connection between the transmitter and the receiver.

This device complies with Part 15 of the FCC Rules. Most users of CAD Audio wireless products in the United States do not need a license for operation. However, the rules for unlicensed operation state that this device must not operate in excess of 50 milliwatts and it must not cause harmful interference to other wireless devices, and must accept interference received from other devices. Wireless products meeting CAD factory standards adhere to these rules. The FCC reserves the right to change these rules at any time. For more information contact the FCC at 1-888-CALL-FCC (TTY: 1-888-TELL-FCC) or visit the FCC's wireless microphone website at:

[www.fcc.gov/cgb/wirelessmicrophones](http://www.fcc.gov/cgb/wirelessmicrophones)

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

# STAGESELECT™



CONNECT WITH US...



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**StageSelect™ IEM**  
**Stereo Wireless**  
**In-ear Monitor**  
**System**

**Manual and**  
**Quick Start-up Guide**

# StageSelect™ IEM

## Introduction

Enjoy the exciting performance of the StageSelect™ IEM for your next gig. CAD Audio has been creating high-value product since 1931 and prides itself on supporting and developing the live performer. Our design criterion was straightforward: develop a high-performance wireless In-ear Monitor System that will deliver superior audio performance while supplying advanced frequency agility, capable enough to cope with today's dynamic RF environment – make it both easy to use and exciting to operate.

The StageSelect™ IEM Stereo Wireless In-ear Monitor System features 16 channel frequency agile performance for outstanding connectivity. Stereo operation lends flexibility of use – You may send discrete signals to the left or right channel. High-performance MEB2 Monitor Earbuds are included to make your listening experience top flight. The MEB2 TruPitch™ Balanced-armature Earbuds provide accurate audio reproduction while the EasyFit™ silicon earmolds provide a custom fit. The metal construction rack mountable transmitter is supplied with rack ears, half-wave antenna, antenna-relocation kit and sturdy carry case.

## The StageSelect™ IEM Stereo Wireless In-ear Monitor System includes the following features:

- 16 Channel UHF Agility for frequency plan flexibility
- Stereo Operation for discrete Right/Left transmission via combination XLR-1/4" connectors
- MEB2 TruPitch™ Balanced-armature Earbuds provide accurate audio reproduction while the EasyFit™ Silicon molds provide a custom fit
- AA batteries with >10hrs of battery life
- Metal Chassis Transmitter for a durable and formidable shielded enclosure
- Transmitters have Softtouch™ Switches with multicolor LED indicators of On/Mute and Low Battery
- 1/4" and XLR-type outputs for interfacing flexibility
- Includes carry case, rack ears and antenna-relocation kit

## WARNING!

**USE AS LOW A VOLUME AS POSSIBLE. PERMANENT HEARING DAMAGE CAN RESULT FROM USING THIS SYSTEM AT EXCESSIVE VOLUMES.**

For safe operation of this in-ear monitor system, do not listen at excessive sound pressure levels.

Most national safety and health administrations have established guidelines for maximum time being exposed to sound pressure levels before hearing damage occurs.

85 dB(A) SPL at 8 hours

88 dB(A) SPL at 4 hours

91 dB(A) SPL at 2 hours

94 dB(A) SPL at 1 hour

97 dB(A) SPL at 30 minutes

100 dB(A) SPL at 15 minutes

**120 dB(A) SPL – avoid or hearing damage may occur**

In live settings it is difficult to make exact measurements of Sound Pressure Levels (SPL) present at the eardrum, which is affected not only by the In-ear Monitor volume, but by ambient sound on the stage and other factors.

To protect your ears from hearing damage:

- Use the in-ear monitor system at the lowest volume possible; turn up the volume only enough to hear.
- Be aware that ringing in your ears may indicate that the volume is set too high.
- Have your ears examined regularly by an audiologist.
- If wax builds up in your ears, stop using the in-ear monitor system until you have seen an audiologist.
- To avoid infections, use an antiseptic to wipe the earphones before and after using the system.
- Stop using the earphones if you experience ear discomfort or infection.



**Channelization**

The StageSelect™ IEM has 16 selectable UHF channels. Channel indicators 1 through 16 are displayed on the receiver. Corresponding frequencies (in MHz) are listed below.

<b>Q Band*</b>	
<b>CH</b>	<b>MHz</b>
1	470.000
2	471.050
3	472.300
4	473.000
5	473.750
6	474.550
7	475.450
8	476.300
9	477.300
10	478.500
11	479.900
12	481.900
13	483.800
14	485.100
15	486.600
16	488.950

<b>N Band**</b>	
<b>CH</b>	<b>MHz</b>
1	518.625
2	519.900
3	520.525
4	521.950
5	523.700
6	524.575
7	526.075
8	531.200
9	531.950
10	534.025
11	535.250
12	537.200
13	538.200
14	539.650
15	540.750
16	541.475

8 of the channels can be used at any one time if optimal atmospheric conditions exist.

CH 1 , CH 2, CH 4, CH 8, CH 10, CH 14, CH 15 and CH 16 are recommended for simultaneous usage.

\*These frequencies have been approved for use within the **United States and Canada** as of the date of publication of this manual. It is the user’s responsibility to comply with local regulations.

\*\*These frequencies have been approved for use within the **United States, Canada and Australia** as of the date of publication of this manual. It is the user’s responsibility to comply with local regulations.

**Specifications TXIEM**

Transmitting Frequency .....N Band 518 - 542MHz  
 Q Band 470 - 489MHz  
 Frequency Response .....40Hz – 16KHz  
 Transmitting Power.....30mW  
 Modulation ..... FM  
 Maximum input level .....+20dBV  
 Dynamic Range.....>101dBA  
 Power Requirements ..... 12 - 18VDC, 300mA  
 Dimensions .....8-3/8" [21.2cm] x 3-3/4" [9.5cm]  
 x 1-3/4" [4.4cm]  
 Net Weight..... 1lb 4oz [.55Kg]

**Specifications MEB2 In-ear Monitors**

Operating Principle.....Balanced Armature dynamic  
 Sensitivity..... 142dB@1mW  
 Impedance..... 22Ω

