

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

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.

Two-Year Limited Warranty

CAD Audio hereby warrants that this product will be free of defects in material and workmanship for a period of two years from the date of purchase. In the unlikely event that a defect occurs CAD Audio will, at its option, either repair or replace with a new unit of equal or greater value. Retain proof of purchase to validate the purchase date and return it with any warranty claim.

This warranty excludes exterior finish or appearance, damage from abuse, misuse of the product, use contrary to CAD Audio's instructions or unauthorized repair. All implied warranties, merchantability, or fitness for a particular purpose is hereby disclaimed and CAD Audio hereby disclaims liability for incidental, special or consequential damages resulting from the use or unavailability of this product.

This warranty gives you specific legal rights and you may have other rights that vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

Note: No other warranty, written or oral is authorized by CAD Audio.

CONNECT WITH US...



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STAGESELECT™



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

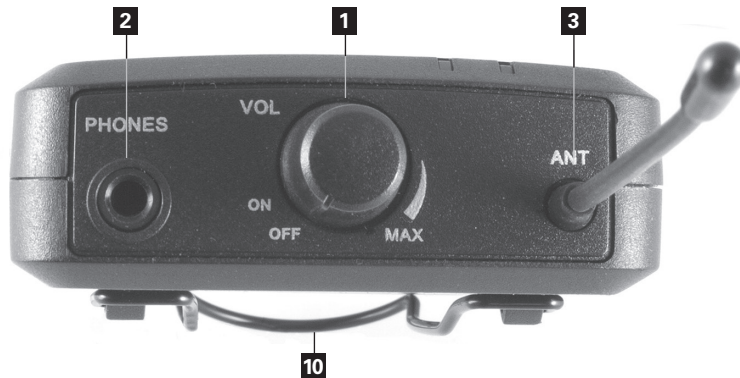
In live settings it is difficult to make exact measurements of Sound Pressure Levels (SPL) present at the eardrum, which is affected not only by the In-ear Monitor volume, but by ambient sound on the stage and other factors.

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.

Bodypack Receiver BPIEM

1. Power/volume control
2. 1/8" (3.5mm) monitor connector
3. Receiving antenna
4. RF (radio frequency) signal indicator
5. AF (audio frequency) signal indicator
6. Channel display
7. Channel up button
8. Channel down button
9. Battery door
10. Belt clip



Specifications BPIEM

Receiving Frequency	520.000 - 538.950 MHz
Frequency Response	40Hz – 16KHz
Dynamic Range.....	>101dBA
Maximum Output Power.....	100mW into 32ohms
Dimensions	2-9/16" [6.5cm] x 4-1/2" [11.4cm] x 7/8" [2.2cm]
Net Weight.....	3.2oz [91g]
Power Requirements.....	2x AA batteries
Battery Life	>=10hrs, high-quality alkaline batteries

Transmitter TXIEM



- | | |
|--------------------------------|------------------------------------|
| 1. Transmitter power switch | 8. Power input |
| 2. Transmitting antenna | 9. Mono/Stereo selector |
| 3. Channel up/down button | 10. Left audio (AF) input |
| 4. Channel display | 11. Right audio (AF) input |
| 5. Audio level meter | 12. Left audio (AF) level control |
| 6. 1/4" monitor headphone jack | 13. Right audio (AF) level control |
| 7. Monitor volume control | 14. Transmitting antenna connector |

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.

CH	MHz
1	520.000
2	521.050
3	522.300
4	523.000
5	523.750
6	524.550
7	525.450
8	526.300
9	527.300
10	528.500
11	529.900
12	531.900
13	533.800
14	535.100
15	536.600
16	538.950

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 MEB2 In-ear Monitors

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



Specifications TXIEM

Transmitting Frequency 520.000 - 538.950 MHz

Frequency Response40Hz – 16KHz
Transmitting Power.....0.132mW
Modulation FM
Maximum input level+20dBV
Dynamic Range.....>101dBA
Power Requirements 12 - 18VDC, 300mA
Dimensions8-3/8" [21.2cm] x 3-3/4" [9.5cm]
x 1-3/4" [4.4cm]
Net Weight..... 1lb 4oz [.55Kg]

§ 15.19 Labelling requirements.

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

§ 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

* RF warning for Portable device:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.