

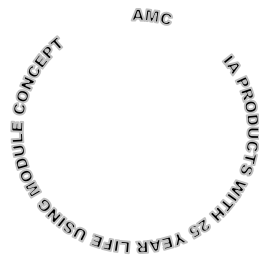
AMC i-M15a

WiFi Wireless Monitor

with Water Resistant, Video On Demand and Broadcasting



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INSTRUCTIONS FOR INSTALLATION AND OPERATION



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

AFIN D'EVITER UN CHOC ELECTRIQUE ET LES CONSEQUENCES GRAVES QUI POURRAIENT EN RESULTER, TENTEZ PAS D'OUVRIR L'APPAREIL ET DE TOUCHER AUX COMPOSANTS INTERNES SANS LA PRESENCE D'UNE PERSONNE QUALIFIEE.

PARA REDUCIR EL RIESGO DE SACUDIDAS ELECTRICAS, NO DEBERA QUITARSE LA TAPA (NI PARTE POSTERIOR). CONSULTESE AL PERSONAL CAPACITADO PARA LAS REPARACIONES INTERNAS.

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
ADVERTENCIA: PARA EVITAR EL RIESGO DE INCENDIO O SACUDIDA ELECTRICA, NO DEBERA EXPONERSE ESTE APARATO A LA LLUVIA O HUMEDAD.

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARISED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE..

ATTENTION: POUR PREVENIR LES CHOCES ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR. UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SILES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

PRECAUCION: PARA EVITAR SACUDIDAS ELECTRICAS, NO DEBERA UTILIZARSE ESTA CLAVIJA POLARIZADA CON UN CORDON DE PROLONGACION, RECEPTACULO U OTRO TIPO DE SALIDA A MENOS QUE SE HAYAN INSERTASO COMPLETAMENTE LAS LENGÜETAS PARA EVITAR SU EXPOSICION.

NOTE: Some AMC products are equipped with dual or multi-voltage transformers (which is indicated on the back panel). If you wish to change the voltage, please bring your unit to an authorised AMC service technician for internal conversion.

ATTENTION: Quelques pièces AMC sont munies de transformateurs à double ou à multi-voltage (indiqué au panneau arrière). Si vous voulez changer le voltage, veuillez apporter votre appareil au fournisseur de AMC pour le transformer.

ZUR BEACHTUNG: Einige AMC Geräte sind mit Umschaltern für unterschiedliche Netzspannungen ausgerüstet (Ein Vermerk auf der Rückseite weist darauf hin).

Die Anpassung, wenn notwendig, muß von einem qualifizieren Techniker in einer AMC Servicestation vorgenommen werden.

NOTA: Ciertos componentes de AMC están dotados de transformadores de doble tensión o de varias tensiones (lo que se indica en el panel posterior). Si se desea cambiar la tensión, sírvanse llevar el aparato a un técnico autorizado por AMC para su conversión interna.

NOTE TO CATV systems installer: This reminder is provided to call the CATV system installer's attention to Article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

NOTA PARA EL INSTALADOR DE ANTENAS DE TELEVISION COLECTIVAS: La presente advertencia se provee para llamar la atención del instalador al Artículo 820-22 de NEC (Código Eléctrico Nacional) donde se facilitan las directrices para la pertinente puesta a tierra y que especifica en particular que el conductor a tierra del cable debe conectarse al sistema de conexión a tierra del edificio, lo más proximo posible al punto de entrada del cable.



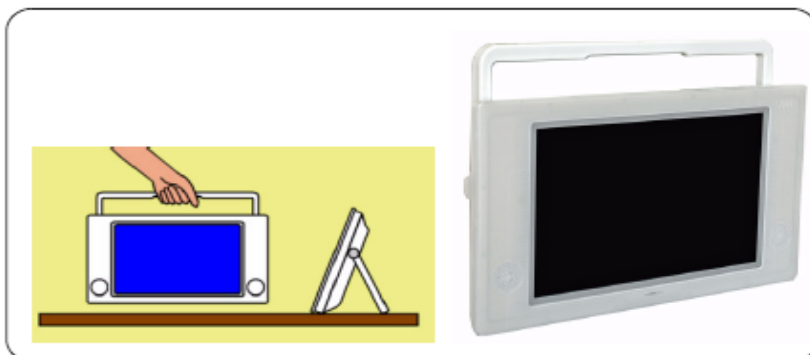
CAUTIONS AND FEATURE LIST

CAUTIONS

- ***Before turning on i-M15a, please charge i-M15a at least 2 hours***
- ***The battery is already installed in i-M15a. Never try to remove or replace the battery, always contact with an authorized AMC service location. Removing the battery cover could affect the IP65 water resistance rating and will void the warranty.***
- ***The i-M15a is IP65 rated, which means it can handle direct splashes and water spray. Never submerge the unit in water.***
- ***To extend your battery life, we suggest to press POWER button to shut down the system completely if you will not use the i-M15a for a period of time.***

FEATURES OF THE AMC™ MODEL i-M15a

- The AMC model i-M15a is a Water Resistant WiFi Wireless Monitor with Video on Demand and Broadcasting features.
- The AMC model i-M15a is with water resistant for strong jet of water (IP65)
- UL1563 Approved.
- Special Designed for RV, Marine, Mobile Home, Spas, Bathroom, Kitchen and Outdoor.
- 15" Grade A LCD Panel with bright and colorful image.
- Wireless 802.11a WiFi configuration.
- Multiple audio and video inputs supported.
- 2.5 hours of nonstop viewing using single battery.
- Easy to carry and use.
- Accessories : Power Adaptor x 1(Input 100~240VAC 50/60Hz 1.7A, Output 15VDC 4.0A), Power Cord x 1, User Manual x 1
- with Carrying Handle,



- The i-M15a is easy to position. The handle is also the stand. The stand designed to click into place at angles 0 degrees, 22.5 degrees, 45 degrees and 180 degrees. You can change it to fit your needs.



- Power Savings feature : When power adaptor is not plugged into i-M15a and i-M15a is on standby (OFF) mode, the i-M15a will shut down automatically 5 minutes after the power adaptor is removed.

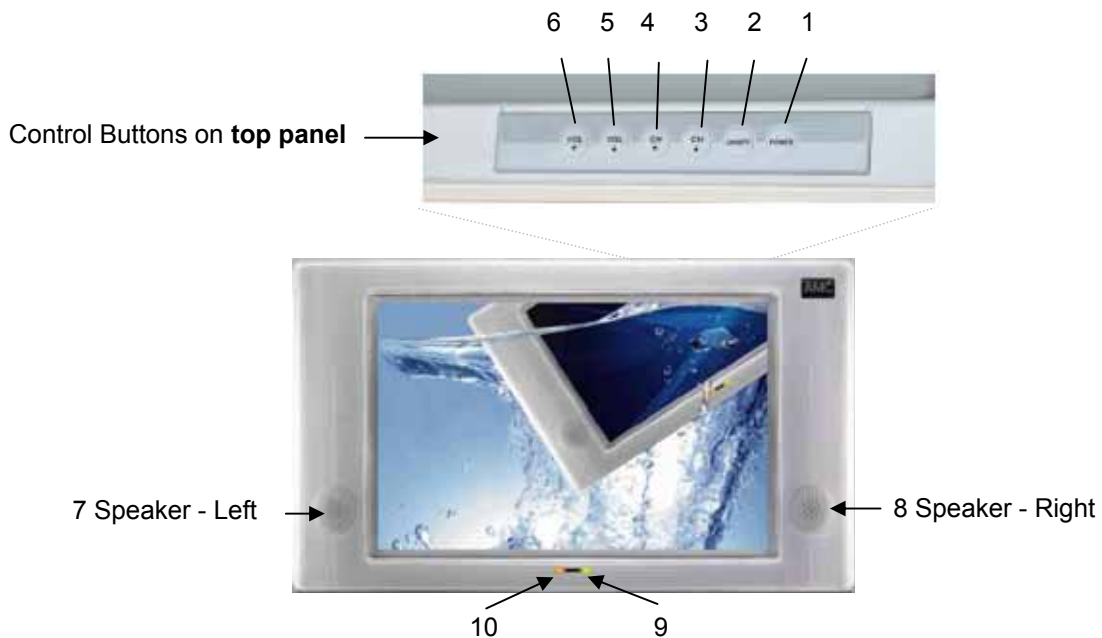
REAR PANEL / FRONT & TOP PANELS

REAR PANEL



1. Heat Sink
2. Battery Cover
3. Water sealed DC Power Receptacle

FRONT & TOP PANELS



- | | |
|--|------------------------|
| 1. POWER (Battery Power Button) | 6. VOL ▼ (Volume Down) |
| 2. ON/OFF (Monitor Power On / Standby) | 7. Speaker - Left |
| 3. CH ▲ (Channel Up) | 8. Speaker - Right |
| 4. CH ▼ (Channel Down) | 9. Main Power LED |
| 5. VOL ▲ (Volume Up) | 10. Battery Status LED |

REAR PANEL

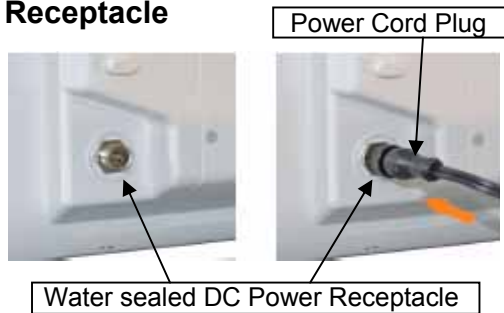
1. Heat Sink

The heat sink is water sealed and inside the heat ventilation holes on plastic rear cover. So, it will be very effectively venting the heat out from inside of the monitor and with complete water sealing feature.

2. Battery Cover

The battery of the Monitor is water sealed securely fixed inside the Battery Cover.

3. Water Sealed DC Power Receptacle



This is a special designed water sealed DC Power Receptacle for connecting 15VDC/4A power from Monitor Power Adaptor to the i-M15a Monitor for charging the battery of i-M15a.

Please pay careful attention to the plug connector. There is an indentation on the receptacle matching the key on the power cord plug to ensure the alignments between receptacle and power cord plug are correct.

Tighten the screw on power cord plug until snug. Do not overtighten or use pliers !

FRONT & TOP PANELS

1. POWER Button (Battery Power Button)

This is a Battery Power Button. It is a toggle switch and will only work when power adaptor is not plugged into i-M15a.

When power adaptor is not plugged into i-M15a, you can press the **POWER** button for 5 seconds to turn the battery power off.

Power Savings feature : When power adaptor is not plugged into i-M15a and i-M15a is on standby (OFF)

mode, the i-M15a will shut down automatically 5 minutes after the power adaptor is removed. This power saving feature will save the power of battery.

2. ON/OFF Button (Monitor Power On / Standby)

This is a toggle switch. It will work when power adaptor is plugged into i-M15a or Battery power is turned ON when power adaptor is not plugged into i-M15a.

When i-M15a is "Standby (OFF)", you can press the button to turn i-M15a to ON. When i-M15a is "OFF", you can press the button to turn i-M15a to "Standby (OFF)"

3. CH ▲ (Channel Up)

By pressing the **CH ▲** button the i-M15a will send control signal through 802.11a to give command to equipment received the control signal with "Channel Up" command specified.

4. CH ▼ (Channel Down)

By pressing the **CH ▼** button the i-M15a will send control signal through 802.11a to give command to equipment received the control signal with "Channel Down" command specified.

5. VOL ▲ (Volume Up)

By pressing the **VOL ▲** button the Volume from L & R Speakers of i-M15a will increase (Up).

6. VOL ▼ (Volume Down)

By pressing the **VOL ▼** button the Volume from L & R Speakers of i-M15a will decrease (Down).

7. Speaker - Left

Left Speaker of i-M15a.

8. Speaker – Right

Right Speaker of i-M15a.

9. Main Power LED

The LED will turn "*Green*" when main power of i-M15a is "*ON*".

The LED will turn "*Orange*" during i-M15a is at "*Standby*"

The LED will be "*Off*" when battery of the i-M15a is turned "*Off*"

The LED will never be "*Off*" when power adaptor plugged into i-M15a.

10. Battery Status LED

Green : Full Charged

Orange : Battery is Charging

Blinking Orange : Battery is low and i-T15a will be turned off automatically.

No light : Once Battery Full Charged the LED will turn off when i-M15a is turned on or the power adaptor is removed.

Main Menu and Settings

1. Press **MENU** button on Remote Control Handset to enter **MAIN MANU** as listed below,

BRIGHTNESS
CONTRAST
SATURATION
SHARPNESS
COLOR
LANGUAGE
RECALL
EXIT

2. Please use ▼ or ▲ button to select the item you want to adjust, then press **MENU** button again to get into each setting value. Press ► button to increase each value or press ◀ button to decrease each value.

In the **MAIN MANU** you can select **RECALL** and then press **MENU** button to set i-M15a back to the original factory default setting of all values.

After all setting done, you can either select **EXIT** and press **MENU** button to go out the **MAIN MANU** or it will go out from **MAIN MANU** automatically around 20 seconds later.

3. Select Wireless Channel

a. When the WiFi signal quality is poor the i-M15a will display a message of **“WIRELESS OVERLOAD”**

b. As it is very often caused by other users using the same or adjacent channel, we can change the 802.11a wireless channel to get best receiving quality. There are total 11 channels you can select from : channel 036, 040, 044, 048, 052, 056, 060, 064, 149, 153 and 157. The initial default channel is set on channel 36.

c. Procedure to select wireless channel is as following,

i) Press **WIRELESS** button on the remote to see current setting. The default is 036.

ii) Press **WIRELESS** button again until you have the channel you want and press **ENTER** button. The on screen display will confirm changed to the wireless channel number you selected.

4. BITRATE Adjustment

a. The **BITRATE** setting sets the transmitting data compression ratio. If “LOW” is selected, it indicates that the data compression ratio is high. It effectively reduce the data transmitting load which might improve the wireless overload status, but it will lower signal quality. The default is “MID”.

b. Press the **BITRATE** button on the remote to enter the **Quality** Low or Mid or High adjustment screen. Press **ENTER** to set the **Quality (BIT RATE)** level you selected.

5. Select language of OSD (On Screen Display)
 - a. Press **DISPLAY** button on the remote and select the language.
 - b. Press **ENTER** to set the language.

SPECIFICATIONS

Panel	15.4", 16:10 wide screen, A grande panel
Brightness	520 cd/m2 (typ.)
Contrast Ratio	600 : 1 (typ.)
Resolution	1280 x 800 (Pixel)
Wireless	IEEE 802.11a 5 GHz
Embedded Battery	Lithium Polymer safe battery, Over 2.5 hours continuous viewing
Video Decoder	MPEG2 video chip, DVD Quality
Video Scaler	3D video image chip
Monitor Housing ..	Flameproof plastic, water-resistant (IP-65 rating)
Audio Outputs	3W x 2 Stereo, 8 ohm Speakers, Freq Resp. 400~20kHz

PHYSICAL

Dimensions (W x H x D)	480x265x65 mm
Net weight (including battery)	4.5 Kgs
Shipping weight (4 pieces).....	Kgs
Power consumption.....	30 W
Input Power – Max Charging power to Monitor	60W (15 VDC / 4A)
Input Power – Input power to Power Adaptor ...	100 ~ 240VAC, 50/60Hz, 1.7A
Max Power output from Power Adaptor	60W (15 VDC / 4A)

Weltronics Corp. reserved the right to improve its products at any time.
Specifications are subject to change without notice.

SAFETY INSTRUCTION

1. READ INSTRUCTIONS

All the safety and operating instructions should be read before the appliance is operated.

2. RETAIN INSTRUCTIONS

The safety and operating instructions should be retained for future reference.

3. HEED WARNINGS

All warnings on the appliance and in the operating instructions should be adhered to.

4. FOLLOW INSTRUCTIONS

All operating and use instructions should be followed.

5. WATER AND MOISTURE

The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

6. CARTS AND STANDS

The appliance should be used only with a cart or stand that is recommended by the manufacturer.

6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



7. WALL OR CEILING MOUNTING

This equipment is not designed for use mounted on a wall or a ceiling.

8. VENTILATION

The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings, or placed in a built-in installation, such as bookcase or cabinet that may impede the flow of air through the ventilation openings.

9. HEAT

The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

10. POWER SOURCES

The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

11. POWER-CORD PROTECTION

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

12. CLEANING

The appliance should be cleaned only as recommended by the manufacturer.

13. NON USE PERIODS

The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

14. OBJECT AND LIQUID ENTRY

Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

15. SERVICING

The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

16. DAMAGE REQUIRING SERVICE

The appliance should be serviced by qualified service personnel when:

- a) The power-supply cord or the plug has been damaged; or
- b) Objects have fallen, or liquid has been spilled into the appliance; or
- c) The appliance has been exposed to rain; or
- d) The appliance does not appear to operate normally or exhibits a marked change in performance; or
- e) The appliance has been dropped, or the enclosure is damaged.

17. POWER LINES

(APPLIES TO TUNER AND RECEIVERS ONLY)

An outdoor antenna should be located away from power lines.

18. OUTDOOR ANTENNA GROUNDING

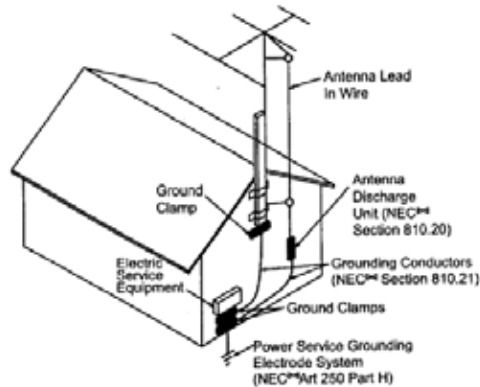
(APPLIES TO TUNER AND RECEIVERS ONLY)

If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.

Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure.

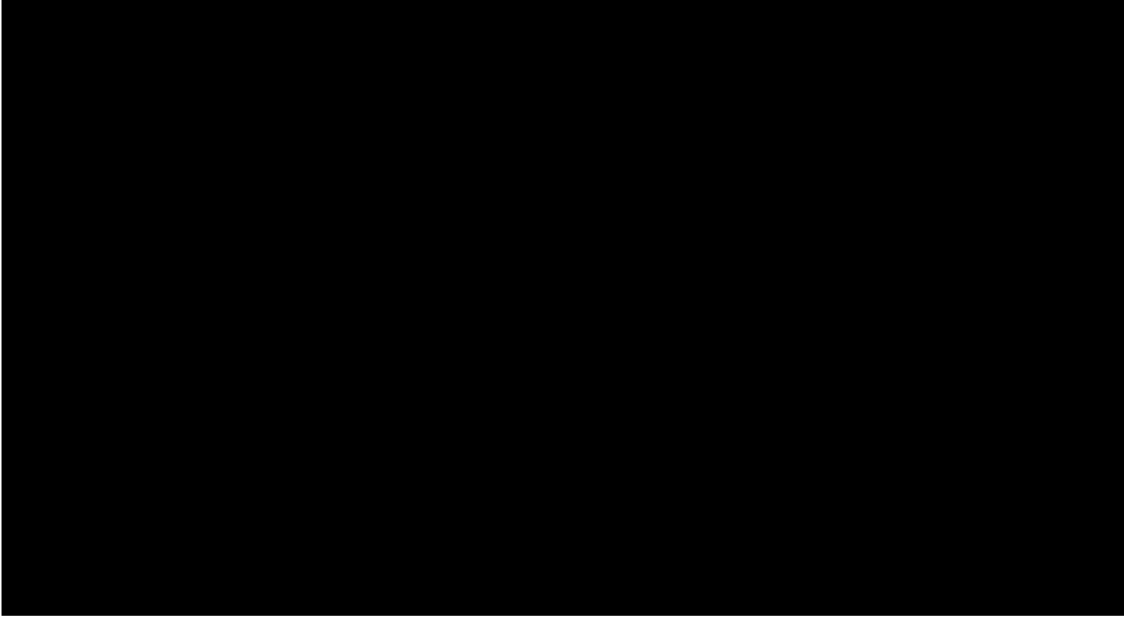
- a) Use No. 10 AWG (5.3 mm²) copper, No. 8 AWG (8.4 mm²) aluminum, No. 17 AWG (1.0 mm²) copper-clad steel or bronze wire, or larger, as a ground wire.
- b) Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4-6 feet (1.22-1.83 m) apart.
- c) Mount antenna discharge unit as close as possible to where lead-in enters house.
- d) Use jumper wire not smaller than No. 6 AWG (13.3 mm²) copper, or the equivalent, when a separate antenna-grounding electrode is used. See NEC Section 810-21(j).

Antenna Grounding According to the National Electrical Code



** National Electrical Code Available from Library, book stores, or National Fire Protection Association (Batterymarch Park, Quincy, MA 02269)

AMC 21-3004



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