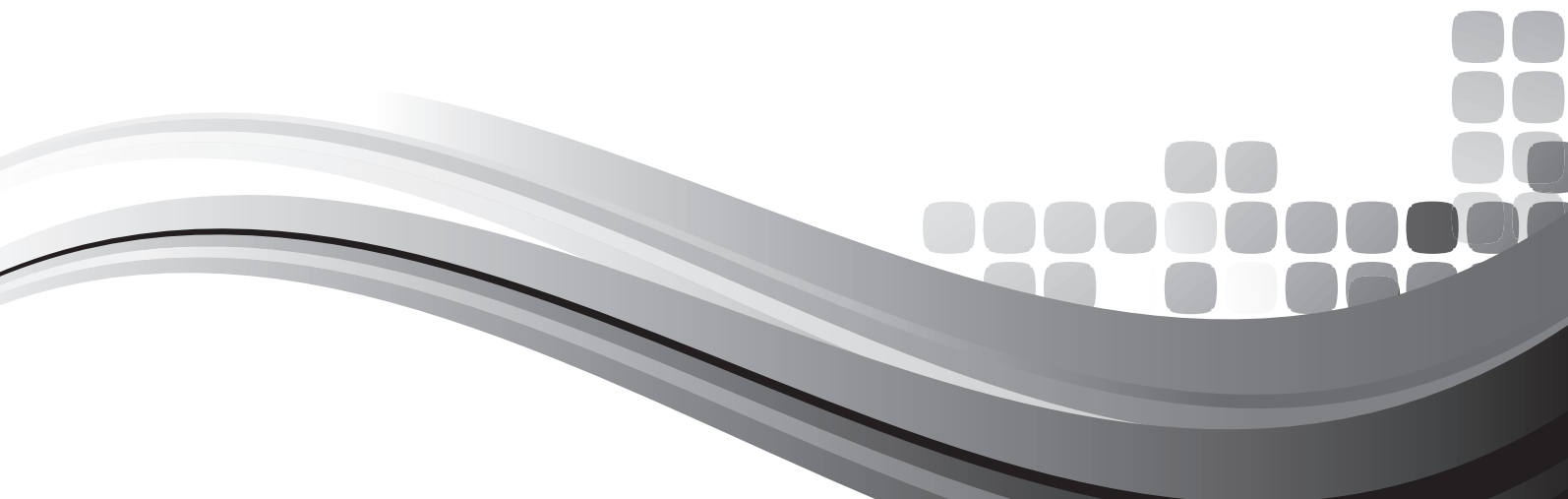




INSTALLATION AND OPERATION MANUAL

ICON-CP



IMPORTANT SAFETY INFORMATION

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This appliance shall not be exposed to dripping or splashing water and that no object filled with liquid such as vases shall be placed on the apparatus.
16. Plug this apparatus to the proper wall outlet and make the plug to be disconnected readily operable.
17. Main plug is used as disconnected device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.
18. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
19. An appliance with a protective earth terminal should be connected to a mains outlet with a protective earth connection.



PRÉCAUTIONS DURANT UTILISATION

1. LISEZ ces instructions.
2. Tenez ces instructions.
3. Notez tous les avertissements.
4. Suivez toutes les avertissements.
5. N'utilisez pas ce produit près de l'eau (la piscine, la plage, le lac, etc.).
6. Nettoyez seulement avec une étoffe sèche.
7. Ne bloquez aucuns trous de ventilation. Installez en accord avec les instructions du fabricant.
8. N'installez près aucunes sources de chaleur comme radiateurs, registres de chaleur, fours ou les autres équipements (y compris amplificateurs) qui produisent la chaleur.
9. Ne défaites pas le but de sécurité de la fiche polarisée ou base-type. Une fiche polarisée a deux tranchants avec un plus large que l'autre. Une fiche de base type a deux tranchants et une troisième pointe de base, le tranchant large ou la troisième pointe est fourni pour votre sécurité. Si la fiche donnée ne conforme pas votre prise de contact, consultez un électricien pour remplacement de la prise de contact obsolète.
10. Protégez le cordon de secteur contre être marchée dessus ou pincez en particulier aux fiches, aux douilles de convenance, et au point où ils sortent de l'appareil.
11. Seulement utilisez attachements/accessoires spécifiés par le fabricant.
12. Utilisez seulement avec un chariot, un stand, un trépied, un support ou une table indiquée par le fabricant, ou vendue avec l'appareil. Quand un chariot est utilisé, faites attention en déplaçant la combinaison d'appareil/chariot pour éviter de se déséquilibrer.
13. Arrachez la fiche du dispositif durant éclair et orage ou quand pas utilisé pour longues périodes de temps.
14. Référez au personnel qualifié de service pour toutes réparations. La réparation est donnée quand le système a été endommagé à n'importe façon, par exemple un fil ou une fiche endommagé(e) de la source d'alimentation. Avoir été exposé à pluie ou humidité, n'opère pas normalement, ou avoir été tombé.
15. L'appareil ne doit pas être exposé aux écoulements ou aux éclaboussures et aucun objet ne contenant de liquide, tel qu'un vase, ne doit être placé sur l'objet.
16. Branchez l'appareil à une source appropriée et faire que la prise à débrancher soit facilement accessible.
17. La prise du secteur ne doit pas être obstruée ou doit être facilement accessible pendant son utilisation. Pour être complètement déconnecté de l'alimentation d'entrée, la prise doit être débranchée du secteur.
18. **AVERTISSEMENT:** Pour éviter le risque d'incendie ou de chocs électriques, ne pas exposer cet appareil à la pluie ou à l'humidité.
19. Un appareil avec la borne de terre de protection doit être connecté au secteur avec la connexion de terre de protection.



ICON-CP

The ICON control panel is both elegant and ergonomic to suit today's modern installations.

The ICON CP controls a number of Australian Monitor products & will also be compatible with a number of new products making the unit flexible and future proof.

The ICON control panel is programmable to allow for a host of configurations and control options all from the one control panel.

INTRODUCTION	3
ICON-CP AND REVOLUTION SERIES	4
ICON-CP AND AMD100-200	5
ICON-CP AND IN600	6
DIMENSIONS	7

Revision 1.3 April 2020

WARNING!

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THE PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

TO PREVENT ELECTRICAL SHOCK, MATCH WIDE BLADE PLUG TO WIDE SLOT, FULLY INSERT.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

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

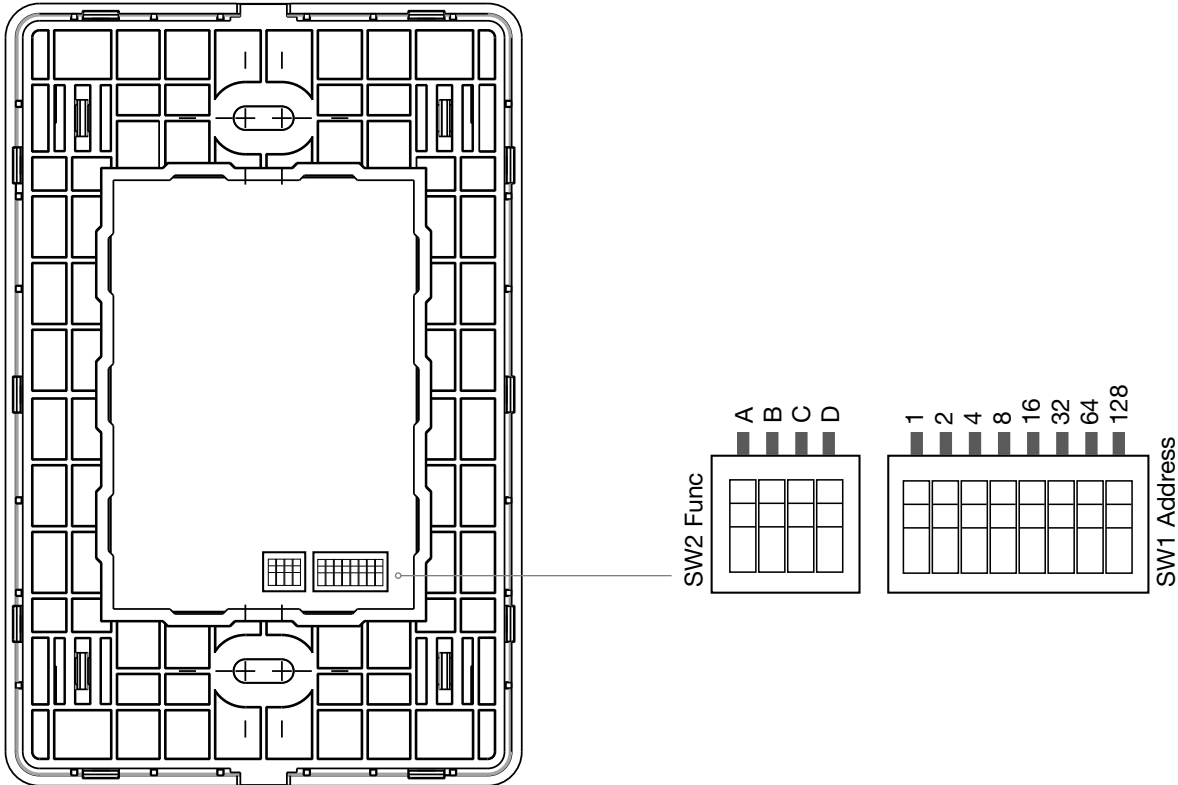


The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Rating plate and caution marking are marked on the back enclosure of the apparatus



ICON-CP Control Panel



The Revolution series control panels (ICON-CP) have two banks of DIP switches on the rear of the control panel. The first bank of switches labeled SW1 allows the user to address the panel for RS485 communications. The second bank of switches allows the user to set up the LED functions for the remote panel.

SW1:

RS485 addresses 1-240 are allowed. With any other address the unit will blink its error LEDs.

SW2

A: ON = LED brightness varies based on ambient light, OFF = Fixed Brightness

B: ON = Low brightness (if switch A is on fixed brightness mode), OFF = Normal Brightness

C: Unused on Revolution series

D: Unused on Revolution series

The ICON-CP control panels do not hold any project data so if a panel was to

fail or be broken it could simply be swapped out with a unit set to the same address. All control panels are constantly polling the RS485 network for status. This will allow the user to update settings via 3rd party, other control panels or the software GUI and have all panels constantly up to date.

Each RS485 port on the Revolution series allows you to run up to 20 control panels to a maximum distance of 500 metres. With each unit featuring two RS485 ports, this allows the AV Revolution to run up to 40 ICON-CP's on two separate 500m runs. The 500m limitation of the control panels is due to power loss over distance and not RS485 limitations therefore if lengths longer than 500m are required you need to inject power locally for greater distances.



The ICON-CP can be used to control certain functions of the AMD100/200.

To set up the control panel all you need to do is address the panel on SW1. Switch 1-8 represent a binary address. For example to address it to ID1 all you need to do is have number 1 on, to address it to 3 have switch 1 and 2 on.

SW2 C and D do not do anything, A and B adjust the LED settings of the panel. With switch A high ambient light adjustment will be turned on. With switch B on, low brightness mode will be activated. Only one switch should be up at a time.

ID 1: (Switch 1 On)

In this mode the first 5 buttons act as a source select (1-4 and off)

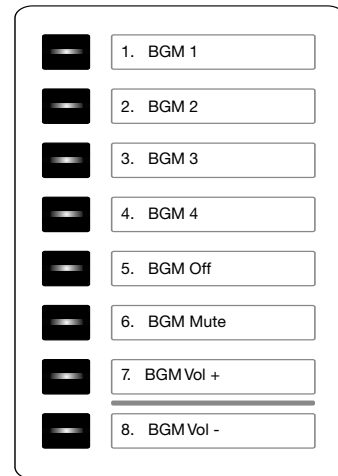
The 6th button acts as a mute control

Buttons 7 and 8 are volume up and volume down for the BGM source

NOTE:

BGM Off deselects all the BGM input.

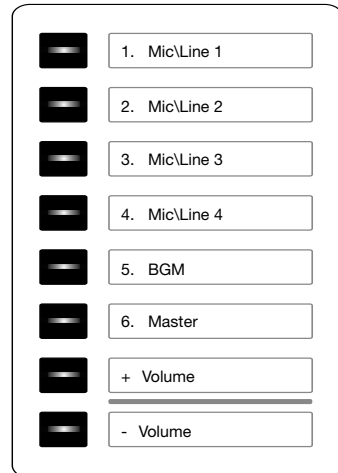
BGM Mute toggles and maintains the selected BGM source for easy unmuting.



ID 2: (Switch 2 On)

In this mode the panel acts as 6 individual volume controls.

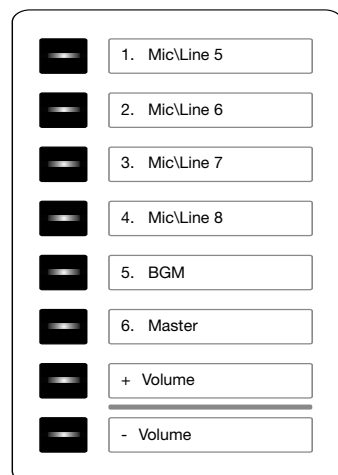
The first 6 buttons pick the volume you want to control and the bottom two buttons are volume up and volume down.



ID 3: (Switch 1 and 2 On)

This mode is the same as two but controls different sources.

Note, this will work on AMD200 only.





ICON-CP AND IN600

With the ICON-CP's DIP switch bank 2(FUNC) set with D on the ICON-CP will control the AMAV IN600.

The control parameters are fixed to three different configurations. These are:

Address ID 1: (Switch 1 On)

With this setting you get control over selection of the sources and also volume control of the source mixer. When a source is selected after already being active the unit will switch the source to "Off"

Address ID 2: (Switch 2 On)

With this setting you have control over turning the projector on and off. You can also turn each microphone on by triggering its mute control. The volume control will control the mic mixer level on the unit.

Address ID 3: (Switch 1 and 2 On)

With this setting selected you have the exact same controls as ID2 except the microphone mute controls are inversed so that the active state will have the microphone off.

Powering the ICON-CP

The ICON-CP remote panels will need to be externally powered when being used with the IN600. As these units have RJ45 looped in and outs we now provide a 24V DC power injector that simply has a data in and a P+Data out. It is recommended that this unit be placed close to the ICON-CP, all you need to do is run from the IN600 into the power injector then out to your run of remote panels.

Connecting to the IN600

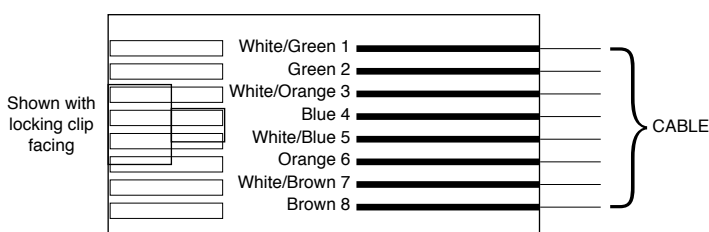
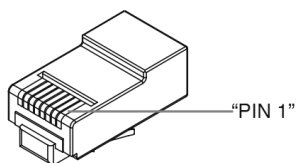
When wiring the ICON-CP panels we suggest simply using premade cables if possible or if terminating your own to follow one standard the whole way that will allow your connections to be pin to pin from the start to the end.

The IN600 has a terminal block for the RS485 bus. The pin out needed to connect the ICON-CP to the IN600 is below:

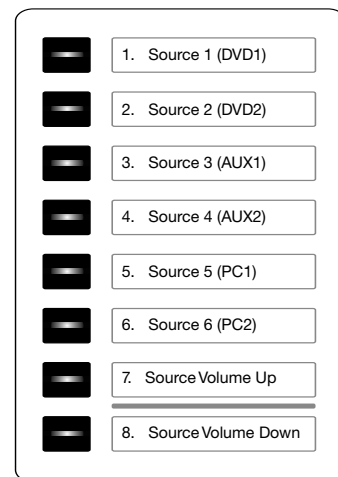
Data line A = Pin 3 of the ICON-CP

Data line B = Pin 6 of the ICON-CP

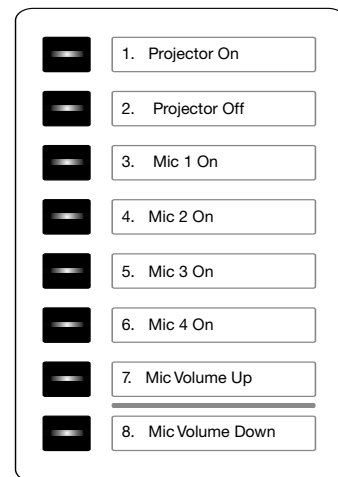
Gnd line = Pin 2 of the ICON-CP



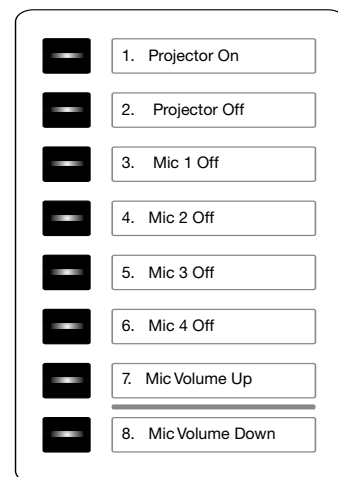
568A configuration



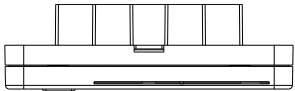
Address ID 1: (Switch 1 On)



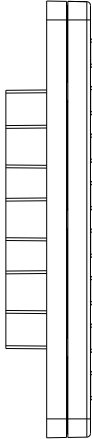
Address ID 2: (Switch 2 On)



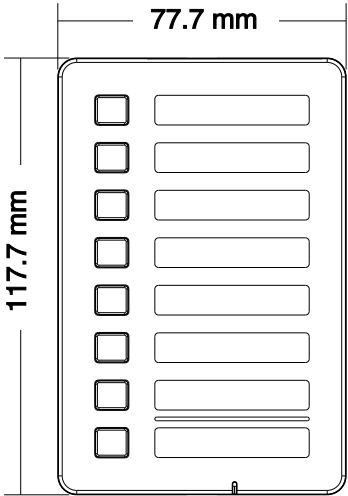
Address ID 3: (Switch 1 and 2 On)



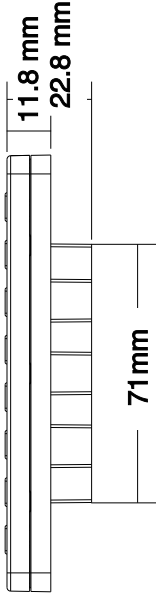
TOP



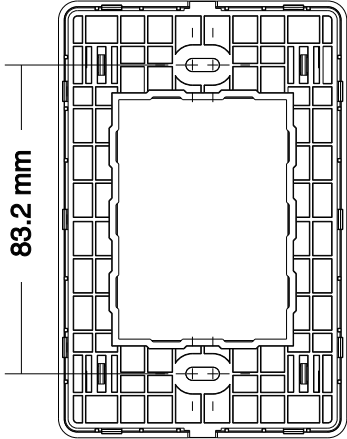
SIDE



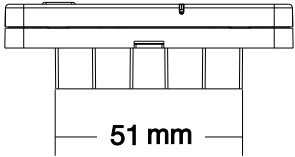
FRONT



SIDE



BACK



BOTTOM



ENGINEERED BY AUSTRALIAN MONITOR

Address: **Unit 1, 2 Daydream Street, Warriewood NSW 2102 Australia**

Website: **www.australianmonitor.com.au**

International enquiries email: **international@australianmonitor.com.au**

ABN 86 003 231 187