

Following are answers to some of the most common questions asked about the Australian Monitor ICON-CP.

Cabling

Q What cable types can I use with ICON-CP?

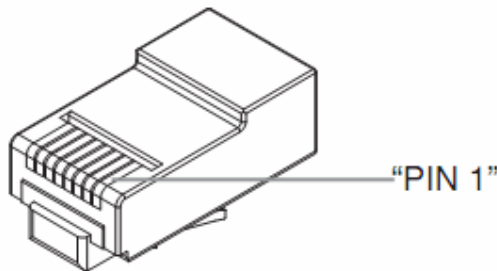
A We recommend using CAT5, CAT5e cable. CAT6 cable may also be used.

Q What RJ45 connectors can I use with ICON-CP?

A We recommend you select an RJ45 connector that matches your chosen cable. Solid core and Multi-strand cables require different RJ45 connectors. Obtaining the correct cable/connector match is important to provide a reliable connection.

Q Do I need to wire the RJ45 connectors in any special way?

A No. All cabling should be wired straight through, pin 1 to pin1, pin 2 to pin 2 etc. as per the EIA/TIA 568A standard:



Pin	Wire Colour	Signal Description
1	White/Green	Not Used
2	Green	Ground
3	White/Orange	RS485-A
4	Blue	+24 VDC
5	White/Blue	+24 VDC
6	Orange	RS485-B
7	White/Brown	Ground
8	Brown	Not Used

Q What is the longest single or total cable length I can use?

A We recommend the longest total cable length to be 500 meters or less. You may extend this limitation by inserting an Australian Monitor Power Injector just prior to the 500 meter limit.

Q Can I use existing network infrastructure with ICON-CP?

A You may use existing copper infrastructure, so long as the wiring is pin for pin. It is important that no other electronics such as switches or routers be used on the ICON-CP network.

Q Can I use a network wireless access point to extend my ICON-CP network?

A No. Only direct copper wiring is supported.

Q My panel does not work. How can I determine if a panel is faulty or if the cabling is the problem?

A Remove the panel from the installed location and test it with a short pre-made cable at the processor/amplifier with all other external RS-485 cabling removed. If the panel functions correctly then your installed cabling is at fault.

Addressing

Q Can I address multiple panels connected to the same device with identical addresses?

A No. All panels connected to the same device or controller must have unique addresses.

Q Can I use address zero (0)?

A No. Address zero is reserved. Use addresses starting at 1.

Q Must I use consecutive address or start with address 1?

A This depends on the audio device you are using. When used with the Revolution Series you are free to use any address you like (1-240) as these are fully user configurable functions. All other devices (AMD and IN600 etc) are fixed function panels based on the address selection.

User Questions

Q Help! The LED indicators are too bright! What can I do?

A You can set your panel for "Low Brightness" mode by setting SW2 as follows: 1:Off, 2:On. Alternately you might like to try the automatic brightness mode by setting 1:On, 2:Off. The mode uses an inbuilt light sensor to automatically adjust the LED brightness to suit the ambient light conditions at any given time.

Q We decided to change our music sources and we now need to change our button labels. How can we do that?

A Download new panel templates from the link below, edit the text using your Adobe Reader, print them out at 100%, trim as marked and replace the existing paper insert by carefully removing the clear ICON-CP cover.

<http://www.australianmonitor.com.au/assets/Uploads/Products/Australian-Monitor/DSP-Processors/Accessories/Icon-Control-Panel-Paper-Insert.pdf>