

## IC-Net TV Controllers

### Applications

Schools  
Retail Stores  
Sports Venues  
Civic Facilities  
Corporate Buildings  
Houses of Worship  
Entertainment Spaces  
Corporate Communication



### Sales Support

Planning an iC-Net or Display Express application? Our Sales Support staff will be happy to work with you, providing expert integration assistance and a complete systems proposal.

### Tech Support

Need tech help? Give us a call. Our tech support staff are experts in the integration industry, so we can research solutions in the proposal stage, advise on programming requirements, and resolve installation issues.

Our job is to make our solutions work seamlessly with your system, performing as promised.

### Related Products

Display Express Systems  
ICC2-ATSC+ Tuner/Controller

IC-Net TV Controllers integrate IR and RS-232 controlled displays through existing RF CATV coax wiring. The ICC1-IR controls IR-format displays, while the ICC1-232 operates RS-232 controlled displays.

Both controllers feature an onboard, updatable control database for most makes and models of displays. Code formats can be changed through the display network from Display Express software, as well as custom control systems. A switch array on the base of the controller can also define codes and set the unit's iC-Net system address.

Intelligent power control is provided by discrete RS-232 or IR on/off commands, as well as scan or power current sensing in the ICC1-IR. Control options include power, HDTV/NTSC channel tuning, volume, mute, and display inputs, as well as local/IR control lockout for the ICC1-232.

High-speed 1-way control is possible through the same RF cable that carries the TV channels, creating networked operation of distributed media systems without adding control wiring. Compatible with the Contemporary Research SignStream™ and iC Commander HD software, the ICC1-232 can be networked with up to 4000 display controllers. For custom systems applications, the ICC1-232, ICC1-IR, and other CR display controllers can be accessed from a single RS-232 or Telnet port on an ICE-HE Ethernet Head

## Models

### ICC1-232 RS-232 Display Controller

- Integrates display over existing CATV system
- Sends RS-232 commands for discrete power, on and off, analog and HD tuning, volume, and local control lockout (if available)
- Features onboard database for display control commands
- Includes 12 VDC power supply, RF loop cable, and mounting kit

### ICC1-IR IR Display Controller

- Integrates display over existing CATV system
- Sends IR commands for discrete power, on and off, analog and HD tuning, and volume
- Features onboard database for display control commands
- Senses input from scan sensor or power current sensor
- Includes 12 VDC power supply, CC-IRE IR emitter, CC-HSD scan sensor, RF loop cable, and mounting kit

## IC-Net TV Controllers



ICC1-232

### Specifications

Feature	ICC1-232
<b>Type</b>	RS-232 Display Controller
<b>Control Options</b>	RS-232 commands Power, Channels, Inputs Control Lockout (if available)
<b>Control Database</b>	Onboard commands for most display makes and models, network selectable
<b>Physical</b>	5.5" W x 1.1" H x 3.4" D, 8 oz
<b>Tuning</b>	NTSC and HDTV channels
<b>RF Tap</b>	Internal tap - Less than -1.5 dbmV loss
<b>Front Panel</b>	<b>RF In:</b> 'F', female, 75 ohm <b>RF Out:</b> 'F', female, 75 ohm <b>Net:</b> Green LED for iC-Net bus and DC power, flashes once per second if active <b>RS-232:</b> DB-9 male connector, baud rates from 1200 to 115.2K baud <b>Tx:</b> Red LED lights when RS-232 information is sent <b>Rx:</b> Yellow LED lights when RS-232 information is received <b>Power In:</b> 2.1mm coaxial jack (inside center conductor positive), 75 mA maximum 11.5 to 16.5 VDC, 12 VDC typical (may be unregulated) <b>DIP Switches:</b> Located on base, sets IR code operation and device number
<b>Includes</b>	RS-232 cable optional Mounting Kit RF Loop Cable 12 VDC Power Supply, 100 Ma
<b>Options</b>	CC-COM RS-232 Null Modem Cable CC-232 RS-232 Control Cable (Specific make, model, and length)



ICC1-IR

Feature	ICC1-IR
<b>Type</b>	IR Display Controller
<b>Control Options</b>	Discrete IR control Power, Channels, Inputs
<b>Control Database</b>	Onboard commands for most display makes and models, network selectable
<b>Physical</b>	5.5" W x 1.1" H x 3.4" D, 8 oz
<b>Tuning</b>	NTSC and HDTV channels
<b>RF Tap</b>	Internal tap - Less than -1.5 dbmV loss
<b>Front Panel</b>	<b>RF In:</b> 'F', female, 75 ohm <b>RF Out:</b> 'F', female, 75 ohm <b>Net:</b> Green LED for iC-Net bus and DC power, flashes once per second if active <b>IR Out:</b> 3.5mm jack for CC-IRE IR Emitter cable or compatible CC-IRS serial cable Supports carrier frequencies up to 62 KHz <b>IR Out:</b> Red LED lights when sending IR commands <b>Power Sensor:</b> 3.5mm jack for included CC-HSD scan sensor or 5V logic-level input <b>Power Sensor:</b> Red LED lights when sensor indicates power on <b>Power In:</b> 2.1mm coaxial jack (inside center conductor positive), 75 mA maximum 11.5 to 16.5 VDC, 12 VDC typical (may be unregulated) <b>DIP Switches:</b> Located on base, sets RS-232 code operation and device number
<b>Includes</b>	IR Emitter Mounting hardware RF Loop Cable CC-IRE IR Emitter 12 VDC Power Supply, 100 Ma
<b>Options</b>	CC-IRS IR Serial Cable CC-HSD Scan Sensor

### Warranty

All CR products feature a full two-year warranty.