

ICC2-VDC AV Tuner/Controller

Applications

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



The ICC2-VDC integrates RS-232 controlled monitors and video projectors, supplying video and audio from an onboard NTSC TV tuner, and networks over RF with iC-Net technology.

Sales Support

Planning a Display Express or VDC-EDU 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
 232-Amp Stereo Mixer/Amplifier
 iC-Net Smart Display Controllers
 iC-Net Display Controllers
 iC-Net HDTV Tuner/Controller
 iC-Net Head Ends

- Networks displays and projectors through existing CATV coax wiring
- Integrates RS-232 controlled monitors and projectors
- Displays closed captioning text for ADA compliance
- Sends discrete power on/off commands
- Tunes analog cable channels via onboard NTSC tuner
- Supports 2-way control and feedback
- Features IR sensors for interactive IR control
- Provides on-screen menus for system setup
- Stores onboard control code library
- Programmable tuning ring limits channel up/down access
- Delivers sensed or discrete power on/off control
- Offers selective lockout of front-panel control and IR sensor
- Features low-loss internal RF tap that reduces installation costs
- Restores operation after power loss from non-volatile memory
- Combines with PMT-1 pole mount and 232-Amp for integrated, pole-mounted video projection installations
- Includes power supply
- Options include IR wireless remote, RS-232 control cable, as well as mounting and amp accessories

ICC2-VDC AV Tuner/Controller



ICC2-VDC



IC-RC Remote (optional)



IR-RXC Remote Sensor (optional)

Specifications

Feature	
Type	Tuner Controller, RS-232 Control
Physical	8.5" [216mm] W x 1.75" [38mm] H (1RU) x 6.0" [153mm] D 24 oz [680 g] All aluminum with durable black powder coat paint Mounts above or below TV or projector Optional IR-RXC remote sensor available if mounted behind display
Front Panel	Power, Volume Up and Down, Channel Up and Down control buttons Power LED (Red) iC-Net LED (Green) IR In LED (Red) IR or RS-232 Out LED (Red) Sensor window for 38 KHz or 57 KHz IR remote commands
Rear Panel	Power In: 2.1mm coaxial jack (inside center conductor positive), 350 mA maximum 11.5 to 16.5 VDC, 12 VDC typical (may be unregulated) Antenna/Cable: 'F', female, 75 ohm impedance, RF from CATV system A/V Inputs: Switchable under program control Video: RCA female jack, NTSC composite Audio: 2 RCA female jack, mono, 20K ohms impedance unbalanced A/V Outputs: Provide channel or external input A/V to TV Video: RCA female jack, NTSC composite Audio: 2 RCA female jacks, mono, 1K ohms impedance, 20Hz to 20KHz response 0.5% maximum, 0.1% typical Total Harmonic Distortion Output level: 500mV RMS typical output level (at max volume) Volume control: 0 to -62 dB and mute in 64 steps IR In: External IR sensor input jack (included with VDC, optional for IRC)
Display Control	RS-232: DB-9 male 1200 to 115,200 baud Optional CC-232 cable
Tuner	Frequency Range: NTSC television 55.25 to 801.25 MHz, 62.5KHz fine tune resolution Tuning Modes: Broadcast, CATV, HRC, IRC Maximum Input: +20dBmV Video Gain: ±5% maximum, 2% typical Video Phase: ±3 degrees maximum, 2 degrees typical
ICC-Net	Control network carried over the same RF coax connection as TV channels Receive: (ICC2, ICC1) Mid-band VHF, 74.7MHz, sent from iC-Net Head End Transmit: (ICC2 only) Sub-band, 5.6MHz sent to Head-End Network Controller ±80 KHz max carrier deviation, +49dBmV nominal
Includes	12 VDC Power Supply, 400 mA (Included for North American shipments only) Input for optional IR-RXC
Options	CC-232 RS-232 Cable Control Closures (factory option) IR-RXC Remote IR Sensor PMT-1 Pole Mount Bracket 232-AMP Mixer/Amplifier
Closure Control	2 Solid-State output switch closures, max 50 mA, 24 VDC, switch to GND (factory option)
IC-RC Remote	Optional remote for 2-way control One remote required for system-wide setup and testing of 1-way and 2-way systems

Warranty

All CR products feature a full two-year warranty.

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