



Roadmap to Control Verification of Compliance Form

This form is to be used by equipment manufacturers who wish to verify their products as compliant with the recommendations of the InfoComm Roadmap to Control. The Roadmap to Control provides manufacturers with a set of recommendations of Best Practices for control interface development and documentation. You can download the Roadmap in its entirety at:

<http://www.infocomm.org/roadmap>

Complete this form and fax it to InfoComm at: (800) 659 –7469. If everything is in order, an approval and a copy of the Roadmap Compliant logo will be sent to the marketing contact listed below. You may then begin using this logo in marketing the product that has been self-verified. You must verify each product individually.

You may not use the logo on products that have not yet been verified as Roadmap Compliant.

1. Equipment Identification

Please identify the equipment you are verifying for compliance with the recommendations of the InfoComm Roadmap to Control.

Manufacturer : _____

Model Number: _____

Firmware Version: _____

Documentation Web Address: _____



2. Compliance Self-Examination

Certain core principles of the Roadmap to Control must be upheld in your product's control protocol implementation in order for it to be verified as a Roadmap Compliant product. Please have the **technical contact** who should be the **control protocol engineer** initial that your product conforms to each of the following:

Interface

- _____ It is possible to query the current firmware version of the device using the control protocol
- _____ Replies to queries identify the device and the parameter being queried, not just the reply
- _____ Unsolicited feedback is provided (or can be enabled as a "subscription") for device changes, including device, parameter and value
- _____ If RS-232 is used, a standard 9-pin DCE connector using only pins 2, 3, 5, 7 and 8 is required **OR** a non-standard connector or pinout is used **AND** the pinout is physically printed on the device near the port **AND** in the manual
- _____ If Ethernet is used, the device ships with an integrated RJ-45 connection **AND** a default IP configuration and a simple reset procedure is provided

Documentation

- _____ The control interface documentation is easily accessible as a public download from our website as a PDF file
- _____ The documentation of the protocol includes contact information for technical support on the control protocol, including an email address, phone number, and web address to check for updated documentation
- _____ The documentation carefully defines all numeric values in both scale (range) and representation (hex, ASCII, etc)
- _____ The documentation uses a different font (e.g. Courier) to clearly distinguish between the text of the document and sample strings that would be sent to or received from the device
- _____ An example is provided for each command, query and reply
- _____ If a serial connection is used, the documentation includes details about the type and gender of the connector, the function of each connector pin, data transmission speed (baud rate), command spacing requirements (time required between commands), character spacing, character length (data bit), parity bit, stop bit, and requirements for hardware and software flow control (even if the requirement is none)
- _____ If an Ethernet connection is used, the documentation includes the default IP address, specification as to TCP/IP or UDP/IP communication, the port number for the connection, and default username and password if required. Instructions are provided for resetting to the default IP address, as well as any special instructions required for logging in, authenticating, or establishing a session
- _____ In a single example, each byte of the formatting of one valid command is thoroughly detailed, including any preamble or header, addressing scheme, command, data, check sum, and delimiter or end byte. The documentation clearly specified the formatting of each byte (e.g. hex, ASCII, etc)
- _____ A list of all available commands is provided, including the applicable data for each command, a usage example and expected replies
- _____ All available queries are outlined, carefully detailing the responses that can be expected for each query
- _____ Error replies generated by the device are outlined in detail, defining each potential error code or condition



3. Commitment to Improvement in Future Versions

In order to verify this device, please commit to adhering to the following principles in the development of future products and firmware versions by having the **technical contact** initial on each line. Should future products not include these principles, the verification for the existing product may be revoked.

- _____ Future revisions of firmware will support “backwards compatibility” with all commands and queries in the current version
- _____ Future products will use printable ASCII characters only (permissible hex characters: 0A, 0D, 20-7E) in their control protocols
- _____ Future products will not require checksums, other than those integrated into the communications socket such as TCP/IP or UDP/IP
- _____ Lag time between the transmission and execution of commands will be kept to a minimum
- _____ Future products will reply with detailed error messages, rather than a non-specific error message
- _____ Future products requiring verbose communications for configuration software will support a “limited session” for simple, common control functions
- _____ Future products will include an integrated help function, including single line descriptions of each command

4. Self-Verification

We have read the full-length Roadmap to Control document and are committed to providing our dealers and their customers with the best control experience possible. The product identified herein complies with each of the required principles in section 2, and future products will comply with each of the required principles outlined in section 3.

Please provide both technical and marketing contacts at the Manufacturer. The technical contact should be intimately familiar with the control protocol for the product that is being verified.

Technical Contact
(Control Protocol Engineer)

Signature _____
Date _____
Name _____
Title _____
Email _____
Phone _____

Marketing Contact
(Product Manager)

Signature _____
Date _____
Name _____
Title _____
Email _____
Phone _____