

CQ1 LAN PROTOCOL

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Panasonic Corporation

1. Protocol overview

1. It can be controlled by sending an external control command by using the TELNET compatible protocol.
The port number to use is 10101, and it cannot be changed.

2. Login procedures

When connecting from a device with control specifications, the CQ1 main unit will request the login procedures.
As an example, a case where the CQ1 main unit is controlled by a PC is shown below.

Connect from a PC to the CQ1 main unit (→ below indicates the transmission of data)

CQ1 main unit → PC : Login:
PC → CQ1 main unit : dispadmin<CR>
CQ1本体 → PC : <CR><LF>Password:
PC → CQ1 main unit : @Panasonic<CR>
CQ1 main unit → PC : OK<CR><LF>

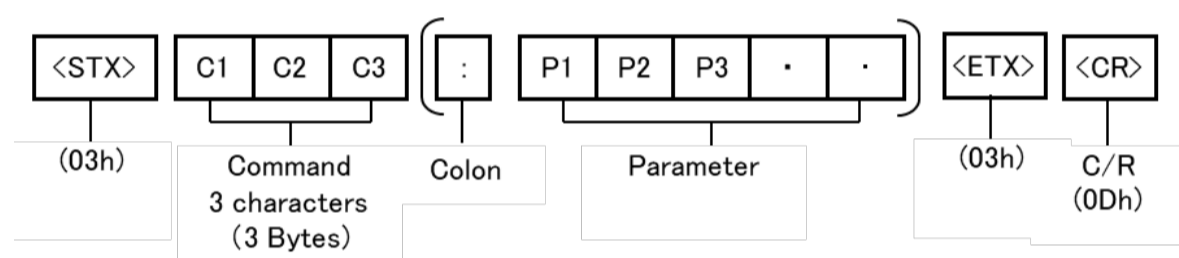
○The default login name is dispadmin, and the password is @Panasonic

○After entering the login name and password, <LF> or <CR> <LF>

○If you fail to log in during the login procedures, the CQ1 main unit will send a message that reads, "Login incorrect", and will disconnect immediately.

3. Command transmission after connection

After successfully logging in, grant <CR> to the protocol for serial (RS232C) control when sending a serial command format with <STX> or <ETX> added to the serial command. The response is the same as during serial (RS232C) control, and it can be controlled.



(Command transmission and response example from CQ1 main unit)

Power on

(Transmission)

Character <STX> P O N <ETX> <CR>
Binary

(Reception)

Character <STX> P O N <ETX> <CR>
Binary 02 50 4F 4E 03 0D

Changing input "HDMI1"

(Transmission)

(Reception)

Character <STX> I M S : H M 1 <ETX> <CR>
Binary 02 49 4D 42 3A 48 4D 31 03 0D

Character <STX> I M S <ETX> <CR>
Binary 02 49 4D 42 03 0D

Inquiry input / "HDMI1"

(Reception)

Character <STX> Q M I <ETX> <CR>
Binary 02 51 4D 49 03 0D

Character <STX> Q M I : H M 1 <ETX> <CR>
Binary 02 51 4D 49 3A 48 4D 31 03 0D

Inquiry picture mode

(Transmission)

Character <STX> Q P C : M E N <ETX> <CR>
Binary 02 51 50 43 3A 4D 45 4E 03 0D

Character <STX> Q P C : M E N D Y N <ETX> <CR>
Binary 02 51 50 43 3A 4D 45 4E 44 59 4E 03 0D

4. Completion

The connection will be disconnected if the following conditions are met.

○When transmitting CTRL+C(EXT), CTRL+D(EOT) and BYE<LF><CR> to the CQ1 main unit from the controlled device.

○When transmitting the FIN packet to the CQ1 main unit from the controlled device.

○When there is no communication for one minute from command transmission.

○When an error occurs in TCP.