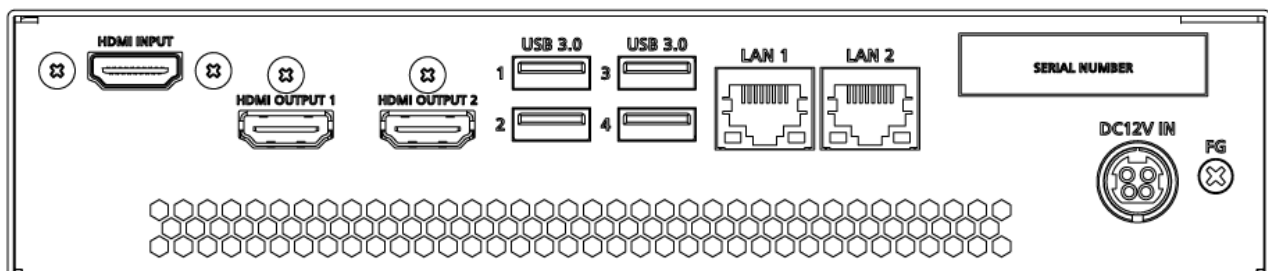
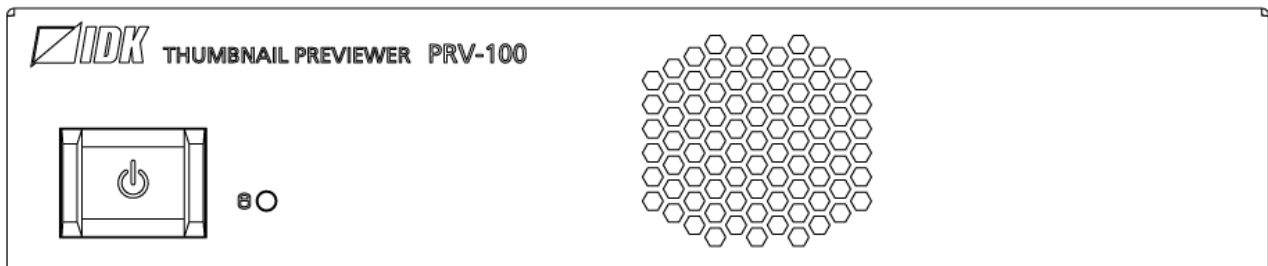


Thumbnail previewer

PRV-100

<Command Reference Guide>

Ver.1.0.0



- Thank you for choosing our product.
- To ensure the best performance of this product, please read this user guide fully and carefully before using it and keep this manual together with the product for future reference as needed.

Trademarks

- All other company and product names mentioned in this manual are either registered trademarks or trademarks of their respective owners. In this manual, the “®” or “™” marks may not be specified.

Before reading this manual

- All rights reserved.
- Some information contained in this Command guide such as exact product appearance, diagrams, menu operations, communication commands, and so on may differ depending on the product version.
- This Command guide is subject to change without notice. You can download the latest version from IDK's website at: <http://www.idkav.com>

The reference manual consists of the following two volumes:

- User guide: Please download the User guide from the website above.
Provides explanations and procedures for operations, installation, connections among devices, I/O adjustment and settings.
- Command guide (this document):
Provides explanations and procedures for external control using RS-232C and LAN communications.

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1 About this Guide

This guide explains how to control the PRV-100 (hereafter referred to as “PRV”) using commands through LAN communication.

■ **Communication commands enable the following main operations:**

- Capturing thumbnail images
- Setting H.264
- Setting/Changing layout
- Naming channels and images

2 Communication configuration and Specifications

2.1 LAN communication

The PRV can be accessed and controlled through LAN communication.

Connecting a control device to the PRV's LAN connector enables system control and status queries per the Command List.

Tip:

The PRV can also be controlled from the WEB browser.

Refer to the "PRV-100 User Guide" for details.

2.1.1 Setting up LAN communication

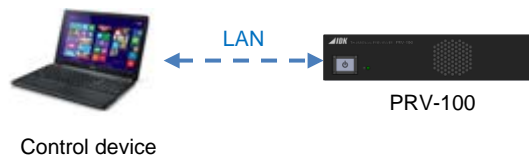
- (1) Connect the PRV and the control device via a LAN cable.
- (2) Factory default values of LAN communication are follows.

LAN1 : DHCP

LAN2 : 192.168.1.199

Establish the connection from the control device to the TCP port number 1100.

- (3) Send a communication command from the control device to the PRV in order to check the control status of the PRV.

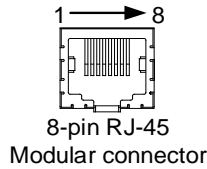


[Fig. 2.1] LAN communication setup

2.1.2 LAN connector specification

It supports Auto MDI/MDI-X, which distinguishes/switches straight and cross cables automatically.

Pin assignments of LAN connector:



| Pin number | Signal name | | | |
|------------|--------------------------------------|--------------------------|--------------------------------------|--------------------------|
| | MDI | | MDI-X | |
| | 1000BASE-T | 100BASE-TX/10BASE-T | 1000BASE-T | 100BASE-TX/10BASE-T |
| 1 | TRX+ (Transmitted & Received data +) | TX+ (Transmitted data +) | TRX+ (Transmitted & Received data +) | RX+ (Received data +) |
| 2 | TRX- (Transmitted & Received data -) | TX- (Transmitted data -) | TRX- (Transmitted & Received data -) | RX- (Received data -) |
| 3 | TRX+ (Transmitted & Received data +) | RX+ (Received data +) | TRX+ (Transmitted & Received data +) | TX+ (Transmitted data +) |
| 4 | TRX+ (Transmitted & Received data +) | N.C. (Not connected)* | TRX+ (Transmitted & Received data +) | N.C. (Not connected)* |
| 5 | TRX- (Transmitted & Received data -) | N.C. (Not connected)* | TRX- (Transmitted & Received data -) | N.C. (Not connected)* |
| 6 | TRX- (Transmitted & Received data -) | RX- (Received data -) | TRX- (Transmitted & Received data -) | TX- (Transmitted data -) |
| 7 | TRX+ (Transmitted & Received data +) | N.C. (Not connected)* | TRX+ (Transmitted & Received data +) | N.C. (Not connected)* |
| 8 | TRX- (Transmitted & Received data -) | N.C. (Not connected)* | TRX- (Transmitted & Received data -) | N.C. (Not connected)* |

*Not used

[Fig. 2.2] LAN connector

2.1.3 LAN communication specification

[Table 2.1] Specification of LAN communication

| | |
|-------------------|---|
| Physical layer | 10Base-T (IEEE802.3i)/100Base-TX (IEEE802.3u)/ 1000Base-T (IEEE802.3ab) |
| Network layer | ARP, IP, ICMP |
| Transport layer | TCP Port used for command control : 1100 Port used for WEB browser control(HTTP) : 80 |
| Application layer | HTTP |

Note:

Up to 8 connections can be used simultaneously.

2.1.4 The number of TCP-IP connections

The PRV supports up to eight simultaneous TCP-IP connections (eight logical ports). To maintain optimal system accessibility, it is advisable to issue “port-open” and “port-close” commands before and after command or query strings are issued. This approach enables eight or more control devices to be effectively interfaced simultaneously and without concern for communication errors.

[Table 2.2] Increasing connections

| Your PC software | | PRV |
|------------------------|---|-------------------------|
| Connecting TCP-IP | → | (Occupying 1 port) |
| Sending command (@xxx) | → | |
| | ← | Replying command (@xxx) |
| Closing TCP-IP | → | (Releasing 1port) |

Note:

As a safeguard, the PRV incorporates a 30-second timeout window for each port. If any port is inactive for more than 30 seconds, it will be closed automatically.

3 Command

3.1 Summary

A command consists of "@" ("40" in hexadecimal), 3 one-byte alphabetical characters (upper and lower cases), followed by parameters (one-byte numbers). For some commands, multiple parameter values can be specified or parameters are not necessary. Processing is executed by sending a delimiter at the end of the command.

Example: @SVJ,1,1 ↵

"," (a comma, "2C" in hex) is indicated between a command and parameter and between two parameters.

↵" is indicated as a delimiter CR LF (return+line feed, "0D" and "0A" in hex).

■ **If an error occurs:**

An error command is returned if an undefined command or wrong parameter is included.

Example: @SOT,1 ↵
 @ERR,2 ↵

3.2 Command list

■ Error status

| Command | Function | Page |
|---------|--------------|------|
| @ERR | Error status | 11 |

■ Setting thumbnail image

| Command | Function | Page |
|-------------|---|------|
| @SVJ | Capturing thumbnail image | 12 |
| @GVV / @SVV | Channel information | 12 |
| @GVN / @SVN | Image in case thumbnail image acquisition failure | 13 |

■ H.264 settings

| Command | Function | Page |
|-------------|-------------------------|------|
| @GSH / @SSH | H.264 streaming status | 14 |
| @GDS / @SDS | Setting H.264 streaming | 14 |
| @GCS / @SCS | Setting H.264 encode | 15 |

■ Setting layout

| Command | Function | Page |
|-------------|------------------|------|
| @GVC / @SVC | Switching layout | 16 |
| @GVL / @SVL | Layout | 17 |
| @GVP / @SVP | Display pattern | 18 |

■ Setting image name

| Command | Function | Page |
|-------------|-----------------------------------|------|
| @GVT / @SVT | Text for channel name | 20 |
| @GVO / @SVO | Text display position and setting | 21 |

■ Communication setting

| Command | Function | Page |
|-------------|-------------|------|
| @GLS / @SLS | LAN setting | 23 |

■ Maintenance

| Command | Function | Page |
|---------|----------|------|
| @SHU | Shutdown | 24 |
| @REB | Reboot | 24 |

3.3 Details of commands

3.3.1 Error status

| @ERR | | Error status |
|-----------------|-------------|---|
| Description | | Response in case the command is not executed |
| Response | | @ERR, error ↵ |
| Parameter | | error: Error status 1 = Erroneous parameter format or value 2 = Undefined command or wrong format 3 = Currently cannot be used 99 = Error other than errors above |
| Getting example | Command | @GCH ↵ |
| | Response | @ERR,2 ↵ |
| | Description | Sending @GCH Command Undefined command |
| Remarks | | — |

3.3.2 Setting thumbnail image

| @SVJ | | Capturing thumbnail image |
|-----------------|-------------|---|
| Setting | Command | @SVJ, ch, reflect ↵ |
| | Response | @SVJ, ch, reflect ↵ |
| Parameter | | ch: Channel 1 to 100 = Channel 1 to Channel 100 reflect: 0 = Only acquiring thumbnail image (Not displayed in the preview) 1 = Acquiring and displaying thumbnail image Only for response: -1 = Thumbnail image could not be acquired (Acquisition failure) |
| Setting example | Command | @SVJ,1,1 ↵ |
| | Response | @SVJ,1,1 ↵ |
| | Description | Acquiring and displaying the thumbnail image of Channel 1 |
| Remarks | | — |









| @GVV / @SVV | | Channel information |
|--------------------|-------------|--|
| Getting | Command | @GVV, view_1 (, view_2···) ↵ |
| | Response | @GVV, view_1, ch_1 (, view_2, ch_2···) ↵ |
| Setting | Command | @SVV, view_1, ch_1 (, view_2, ch_2···) ↵ |
| | Response | @SVV, view_1, ch_1 (, view_2, ch_2···) ↵ |
| Parameter | | view_1-100: view number 1 to 100 = View 1 to View 100 ch_1-100: Channel 1 to 100 = Channel 1 to Channel 100, 101 to 200 = Built-in image 1 to Built-in image 100 |
| Getting example | Command | @GVV,1 ↵ |
| | Response | @GVV,1,2 ↵ |
| | Description | Getting the channel information of View 1 Channel 2 is assigned to View 1 |
| Setting example | Command | @SVV,1,2 ↵ |
| | Response | @SVV,1,2 ↵ |
| | Description | Assigning the Channel 2 to View 1 |
| Remarks | | — |

| @GVN / @SVN | | Image in case thumbnail image acquisition failure |
|--------------------|-------------|---|
| Getting | Command | @GVN, view_1 (, view_2···) ↵ |
| | Response | @GVN, view_1, img_1 (, view_2, img_2···) ↵ |
| Setting | Command | @SVN, view_1, img_1 (, view_2, img_2···) ↵ |
| | Response | @SVN, view_1, img_1 (, view_2, img_2···) ↵ |
| Parameter | | view_1-100: view number 1 to 100 = View 1 to View 100 |
| | | img_1-100: Built-in image 0 = Image for thumbnail image acquisition failure 1 to 100 = Built-in image 1 to Built-in image 100 |
| Getting example | Command | @GVN,1 ↵ |
| | Response | @GVN,1,2 ↵ |
| | Description | Getting the set View 1 image that is displayed for when thumbnail image cannot be acquired Image 2 is assigned |
| Setting example | Command | @SVN,1,2 ↵ |
| | Response | @SVN,1,2 ↵ |
| | Description | Assigning the Built-in image 2 to the View 1 |
| Remarks | | — |

3.3.3 H.264 settings

| @GSH / @SSH | | H.264 streaming status |
|-----------------|-------------|---|
| Getting | Command | @GSH ↵ |
| | Response | @GSH, start ↵ |
| Setting | Command | @SSH, start ↵ |
| | Response | @SSH, start ↵ |
| Parameter | | start: 0 = Stopping streaming, 1 = Starting streaming |
| Getting example | Command | @GSH ↵ |
| | Response | @GSH,1 ↵ |
| | Description | Getting the H.264 streaming status H.264 is being streamed |
| Setting example | Command | @SSH,1 ↵ |
| | Response | @SSH,1 ↵ |
| | Description | Setting the H.264 streaming to be started |
| Remarks | | — |

| @GDS / @SDS | | Setting H.264 streaming |
|-----------------|-------------|--|
| Getting | Command | @GDS ↵ |
| | Response | @GDS, delivery_ip, delivery_port, bind_ip ↵ |
| Setting | Command | @SDS, delivery_ip, delivery_port, bind_ip ↵ |
| | Response | @SDS, delivery_ip, delivery_port, bind_ip ↵ |
| Parameter | | delivery_ip: IP address of streaming destination 0 to 255 = 8 bit in decimal x 4 |
| | | delivery_port: Streaming destination port 1 to 65535 = Port 1 to Port 65535 |
| | | bind_ip: Bind address 0 to 255 = 8 bit in decimal x 4 |
| Getting example | Command | @GDS ↵ |
| | Response | @GDS,192.168.1.1,30000,192.168.1.199 ↵ |
| | Description | Getting the H.264 streaming setting - IP address of streaming destination : 192.168.1.1 - Streaming destination port : 30000 - Bind address : 192.168.1.199 |
| Setting example | Command | @SDS,192.168.1.1,30000,192.168.1.199 ↵ |
| | Response | @SDS,192.168.1.1,30000,192.168.1.199 ↵ |
| | Description | Setting the H.264 streaming as follows: - IP address of streaming destination : 192.168.1.1 - Streaming destination port : 30000 - Bind address : 192.168.1.199 |
| Remarks | | — |

| @GCS / @SCS | | Setting H.264 encode |
|-----------------|----------|---|
| Getting | Command | @GCS  |
| | Response | @GCS, profile, type, resolution, framerate, bitrate, reserved, volume  |
| Setting | Command | @SCS, profile, type, resolution, framerate, bitrate, reserved, volume  |
| | Response | @SCS, profile, type, resolution, framerate, bitrate, reserved, volume  |
| Parameter | | profile: 0 = BASELINE, 1 = MAIN, 2 = HIGH |
| | | type: "1" fixed |
| | | resolution: 0 = 1920x1080, 1 = 1280x1024, 2 = 1280x960, 3 = 1280x720, 4 = 1024x768, 5 = 800x600, 6 = 720x576, 7 = 720x480, 8 = 640x480 |
| | | framerate: Frame rate 1 to 60 = 1 fps to 60 fps |
| | | bitrate: Bit rate 1 to 8000 = 1 kbps to 8000 kbps |
| | | reserved: Reservation "0" fixed |
| | | volume: 0 to 100 = Volume 0 to Volume 100 |
| | | Getting example |
| | | @GCS  @GCS,1,1,0,30,4000,0,50  |
| | | Description Getting the H.264 encode setting - Profile : MAIN - Resolution : 1920x1080 - Frame rate: 30 fps - Bit rate : 4000 kbps - Volume : 50 |
| Setting example | | Command Response |
| | | @SCS,1,1,0,30,4000,0,50  @SCS,1,1,0,30,4000,0,100  |
| | | Description Setting H.264 encode as follows: - Profile : MAIN - Resolution : 1920x1080 - Frame rate: 30 fps - Bit rate : 4000 kbps - Volume : 50 |
| Remarks | | — |

3.3.4 Setting layout









| @GVC / @SVC | | Switching layout |
|-----------------|-------------|--|
| Getting | Command | @GVC ↵ |
| | Response | @GVC, layout ↵ |
| Setting | Command | @SVC, layout ↵ |
| | Response | @SVC, layout ↵ |
| Parameter | | layout: The number of layouts 1 to 128 = Layout 1 to Layout 128 |
| Getting example | Command | @GVC ↵ |
| | Response | @GVC,1 ↵ |
| | Description | Getting the layout number Layout 1 |
| Setting example | Command | @SVC,1 ↵ |
| | Response | @SVC,1 ↵ |
| | Description | Layout 1 is set to be displayed |
| Remarks | | — |

| @GVL / @SVL | | Layout |
|-----------------|-------------|--|
| Getting | Command | @GVL, layout |
| | Response | @GVL, layout, pattern, location_x, location_y, width, height, color |
| Setting | Command | @SVL, layout, pattern, location_x, location_y, width, height, color |
| | Response | @SVL, layout, pattern, location_x, location_y, width, height, color |
| Parameter | | layout: Layout number 1 to 128 = Layout 1 to Layout 128 |
| | | pattern: Display pattern number 1 to 128 = Pattern 1 to Pattern 128 |
| | | location_x: Horizontal position 0 to 3840 |
| | | location_y: Vertical position 0 to 2160 |
| | | width: 1 to 3840 |
| | | height: 1 to 2160 |
| | | color: Background color #000000 to #FFFFFF = RGB color code (Hex) |
| Getting example | Command | @GVL,1 |
| | Response | @GVL,1,1,0,0,1920,1080,#000000 |
| | Description | Getting the layout 1 information - Pattern : 1 - Horizontal position : 0 - Vertical position : 0 - Width : 1920 - Height : 1080 - Background color : Black |
| Setting example | Command | @SVL,1,1,0,0,1920,1080,#000000 |
| | Response | @SVL,1,1,0,0,1920,1080,#000000 |
| | Description | Setting the layout 1 as shows: - Pattern : 1 - Horizontal position : 0 - Vertical position : 0 - Width : 1920 - Height : 1080 - Background color : Black |
| Remarks | | — |





| @GVP / @SVP | | Display pattern |
|--------------------|----------|--|
| Getting | Command | @GVP, pattern ↵ |
| | Response | @GVP, pattern, max_width, max_height, view_1, sizemode_1, x_1, y_1, width_1, height_1(,view_2, sizemode_2, x_2, y_2, width_2, height_2···) ↵ |
| Setting | Command | @SVP, pattern, max_width, max_height, view_1, sizemode_1, x_1, y_1, width_1, height_1(,view_2, sizemode_2, x_2, y_2, width_2, height_2···) ↵ |
| | Response | @SVP, pattern, max_width, max_height, view_1, sizemode_1, x_1, y_1, width_1, height_1(,use_2, sizemode_2, x_2, y_2, width_2, height_2···) ↵ |
| Parameter | | pattern_1-100: Display pattern number 1 to 128 = Pattern 1 to Pattern 128 |
| | | max_width_1-100: Maximum horizontal display capacity 1 to 3840 |
| | | max_height_1-100: Maximum vertical display capacity 1 to 2160 |
| | | view_1-100: View number 1 to 100 = View 1 to View 100 |
| | | sizemode_1-100: Display size and position 0 = Starts from upper left, 1 = Centers images, 2 = Scales images based on monitor size, 3 = Scales and keeps aspect ratio |
| | | x_1-100: Horizontal position 0 to 3840 |
| | | y_1-100: Vertical position 0 to 2160 |
| | | width_1-100: 0 to 3840 |
| | | height_1-100: 0 to 2160 |

| @GVP / @SVP | | Display pattern (Cont'd) |
|-----------------|-------------|---|
| Getting example | Command | @GVP,1 ↵ |
| | Response | @GVP,1,1,1,1,3,0,0,1,1 ↵ |
| | Description | Getting the settings of display pattern 1 - Maximum horizontal display capacity: 1 - Maximum vertical display capacity : 1 - View number : View 1 - Display size and position : Scaling and keeping aspect ratio - Horizontal position : 0 - Vertical position : 0 - Width : 1 - Height : 1 |
| Setting example | Command | @SVP,1,1,1,1,3,0,0,1,1 ↵ |
| | Response | @SVP,1,1,1,1,3,0,0,1,1 ↵ |
| | Description | Setting the display pattern 1 as follows: - Maximum horizontal display capacity: 1 - Maximum vertical display capacity : 1 - View number : View 1 - Display size and position : Scaling and keeping aspect ratio - Horizontal position : 0 - Vertical position : 0 - Width : 1 - Height : 1 |
| Remarks | | — |

3.3.5 Setting image name

| @GVT / @SVT | | Text for channel name |
|--------------------|-------------|--|
| Getting | Command | @GVT, ch_1 (, ch_2···)  |
| | Response | @GVT, ch_1, text_1 (, ch_2, text_2···)  |
| Setting | Command | @SVT, ch_1, text_1 (, ch_2, text_2···)  |
| | Response | @SVT, ch_1, text_1 (, ch_2, text_2···)  |
| Parameter | | ch_1-100: Channel 1 to 100 = Channel 1 to Channel 100, 101 to 200 = Built-in image 1 to Built-in image 100 |
| | | text_1-100: Text (Up to 25 characters) |
| Getting example | Command | @GVT,1  |
| | Response | @GVT,1,Channel 1  |
| | Description | Getting the text of Channel 1 "Channel 1" |
| Setting example | Command | @SVT,1,Channel 1  |
| | Response | @SVT,1,Channel 1  |
| | Description | Naming the Channel 1 "Channel 1" |
| Remarks | | — |

| @GVO / @SVO | | Text display position and setting |
|--------------------|----------|--|
| Getting | Command | @GVO, ch_1 (, ch_2···) ↵ |
| | Response | @GVO, ch_1, position_x_1, position_y_1, font_1, size_1, style_1, color_1, frame_color_1, frame_width_1, back_color_1 (, ch_2, position_x_2, position_y_2, font_2, size_2, style_2, color_2, frame_color_2, frame_width_2, back_color_2···) ↵ |
| Setting | Command | @SVO, ch_1, position_x_1, position_y_1, font_1, size_1, style_1, color_1, frame_color_1, frame_width_1, back_color_1 (, ch_2, position_x_2, position_y_2, font_2, size_2, style_2, color_2, frame_color_2, frame_width_2, back_color_2···) ↵ |
| | Response | @SVO, ch_1, position_x_1, position_y_1, font_1, size_1, style_1, color_1, frame_color_1, frame_width_1, back_color_1 (, ch_2, position_x_2, position_y_2, font_2, size_2, style_2, color_2, frame_color_2, frame_width_2, back_color_2···) ↵ |
| Parameter | | ch_1-100: Channel 1 to 100 = Channel 1 to Channel 100, 101 to 200 = Built-in image 1 to Built-in image 100 |
| | | position_x_1-100: Horizontal position -2 = Right, -1 = Center, 0 to 1920 |
| | | position_y_1-100: Vertical position -2 = Bottom, -1 = Middle, 0 to 1080 |
| | | font_1-100: Font 0 = Arial, 1 = Georgia, 2 = Impact, 3 = Lucida Console, 4 = Times New Roman, 5 = Verdana, 6 = Meiryo, 7 = Meiryo UI, 8 = MS PGothic, 9 = MS PMincho, 10 = MS Gothic, 11 = MS Mincho |
| | | size_1-100: Font size 1 to 100 = 1 pt to 100 pt |
| | | style_1-100: Font style 0 = Regular, 1 = Bold, 2 = Italic, 3 = Bold&Italic |
| | | color_1-100: Font color #000000 to #FFFFFF = RGB color code (Hex) |

| @GVO / @SVO | | Text display position and setting (Cont'd) |
|-----------------|------------------|--|
| | | frame_color_1-100: Frame color 0 = No font frame #000000 to #FFFFFF = RGB color code (Hex) |
| | | frame_width_1-100: Text frame size 1 to 3 |
| | | back_color_1-100: Text background color 0 =No background, #000000 to #FFFFFF = RGB color code (Hex) |
| Getting example | Command Response | @GVO,1  @GVO,1,-1,-2,0,30,0,#FF0000,#000000,1,0  |
| | Description | Getting Channel 1 text settings - Horizontal position : Center - Vertical position : Bottom - Font : Arial - Font size : 30 pt - Font style : Regular - Font color : Red - Frame color : Black - Text frame size : 1 - Text background color : No background |
| Setting example | Command Response | @SVO,1,-1,-2,0,30,0,#FF0000,#000000,1,0  @SVO,1,-1,-2,0,30,0,#FF0000,#000000,1,0  |
| | Description | Setting Channel 1 text as follows: - Horizontal position : Center - Vertical position : Bottom - Font : Arial - Font size : 30 pt - Font style : Regular - Font color : Red - Frame color : Black - Text frame size : 1 - Text background color : No background |
| Remarks | | — |

3.3.6 Communication setting

| @GLS / @SLS | | LAN setting |
|-----------------|-------------|---|
| Getting | Command | @GLS, lan |
| | Response | @GLS, lan, dhcp, ip, subnet, gateway |
| Setting | Command | @SLS, lan, dhcp, ip, subnet, gateway |
| | Response | @SLS, lan, dhcp, ip, subnet, gateway |
| Parameter | | lan: LAN connector 1 = LAN1, 2 = LAN2 |
| | | dhcp: Getting IP address automaticlly 0 = Static, 1 = Automatic (DHCP) |
| | | ip: IP address 0 to 255 = 8 bit (in decimal) x4 combinations |
| | | subnet: Subnet mask 0 to 255 = 8 bit (in decimal) x4 combinations |
| | | gateway: Default gateway 0 to 255 = 8 bit (in decimal) x4 combinations |
| Getting example | Command | @GLS,2 |
| | Response | @GLS,2,0,192.168.1.199,255.255.255.0,192.168.1.1 |
| | Description | Getting the LAN 2 information - IP address : Static - IP address : 192.168.1.199 - Subnet mask : 255.255.255.0 - Default gateway: 192.168.1.1 |
| Setting example | Command | @SLS,2,0,192.168.1.199,255.255.255.0,192.168.1.1 |
| | Response | @SLS,2,0,192.168.1.199,255.255.255.0,192.168.1.1 |
| | Description | Setting the LAN2 as follows: - IP address : Static - IP address : 192.168.1.199 - Subnet mask : 255.255.255.0 - Default gateway: 192.168.1.1 |
| Remarks | | — |

3.3.7 Maintenance

| @SHU | | Shutdown |
|-----------------|-------------|-----------------|
| Setting | Command | @SHU ↵ |
| | Response | @SHU ↵ |
| Parameter | | N/A |
| Setting example | Command | @SHU ↵ |
| | Response | @SHU ↵ |
| | Description | Shutdown |
| Remarks | | — |

| @REB | | Reboot |
|-----------------|-------------|---------------|
| Setting | Command | @REB ↵ |
| | Response | @REB ↵ |
| Parameter | | N/A |
| Setting example | Command | @REB ↵ |
| | Response | @REB ↵ |
| | Description | Reboot |
| Remarks | | — |

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