

4-CH SDI Multiviewer API Guide for LAN

Part 1. Communication Mode

Interface: LAN

Communication Protocol: UDP Broadcast

Destination Port: 7000

Part 2. Format of Protocol Mode

2.1 Send from PC to Multiviewer

| Data Packet | Value (hex) | Byte | Description |
|----------------|-------------------|------------|--|
| Packet Header | 0xA5 0x6C | 2 | The beginning of data packet. |
| Data Length | 0x0000~0x04 20 | 2 | The length of the entire data packet from packet header to end (including the packet header and end). The lower byte stays ahead. |
| Device Type | 0x00~0xFF | 1 | Definition of device type, 0xFF means broadcast. |
| Device ID | 0x00~0xFF | 1 | A distinguishing of the device when there are several devices in a same LAN at same time. 0xFF means broadcast. |
| Interface Type | 0x00~0xFF | 1 | 0x00: UART (serial port) 0x01: LAN |
| Reserve | 0x00 | 9 | For reserve. This device is not reserved. |
| Command | 0x00~0xFF | 1 | Command for each function. |
| Packet Data | | Indefinite | <= 1024 |
| Checksum | 0x0000~0xFF FF | 2 | The algebraic sum of all bytes from packet header to checksum, in 2 bytes, other parts omitted (including the packet header and checksum). The lower byte stays ahead. |
| Packet End | 0xAE | 1 | The end of the packet. |

2.2 Return from Multiviewer to PC

| Data Packet | Value (hex) | Byte | Description |
|------------------|-------------------|------------|---|
| Packet Header | 0xA5 0x6C | 2 | The beginning of data package. |
| Data Length | 0x0000~0xFF FF | 2 | The length of the entire data packet from packet header to end (including the packet header and end). The lower byte stays ahead. |
| Device Type | 0x00~0xFF | 1 | Definition of device type, 0xff means broadcast |
| Device ID | 0x00~0xFF | 1 | A distinguishing of the device when there are several devices in a same LAN at same time. 0xff means broadcast. |
| Interface Type | 0x00~0xFF | 1 | 0x00: UART (serial port); 0x01: LAN |
| Reserve | 0x00 | 9 | Reserve. This device is not reserved. |
| Command | 0x00~0xFF | 1 | Command for each function. |
| Response Status | 0x00 ~ 0xFF | 1 | 0x00: Succeed; 0x01: Error; Other data undefined. |
| Response Content | | Indefinite | Reserve. The length of response content is variable when backward reading command, and it is consistent with the format of "packet data". |
| Checksum | 0x0000~0xFF FF | 2 | The algebraic sum of all bytes from packet header to checksum, in 2 bytes, other parts omitted. The lower byte stays ahead. |
| Packet End | 0xAE | 1 | The end of the packet. |

Noted: send = CMD + data; Return = CMD + status + data

Part 3. Device Type and Command

3.1 Device type: 0xa3

3.2 Command List

| Function | Command (hex) | Description |
|---------------------------|---------------|---|
| Scanning | 0xff | Broadcast to scan the multiviewer from the LAN. |
| Reading All the Data | 0x90 | After device scanned, reading all status data of the device. |
| Rename the Device | 0x91 | Change the name of device. |
| Output Resolution | 0x92 | Change the device output resolution. Value refers to Part 4.2 Output Resolution List. |
| Border Enable | 0xa4 | Turn on/off the border of windows. |
| Border color | 0x93 | Setting border color of windows. Value refers to Part 4.6 Border Color List. |
| Output Layout | 0x94 | Change the output layouts. Value refers to Part 4.3 Layout List. |
| UMD Overlay Enable | 0x95 | Turn on/off the UMD overlay. 1: ON, 0: OFF |
| UMD Position | 0x96 | Change the location of the UMD. 0:left 1:center 2:right |
| UMD Character Color | 0x97 | Change the color of UMD text. Value refers to Part 4.5 Color List. |
| UMD Background Color | 0x98 | UMD background color. Value refers to Part 4.5 Color List. |
| UMD Text | 0x99 | Input the content of UMD text. 16 characters max length. |
| Audio Meter Enable | 0x9a | Turn on/off the audio meter. 1: ON, 0: OFF |
| Audio Meter Position | 0x9b | Change the position of audio meter. 0: left, 2: right |
| Audio Meter Channel | 0x9e | Change the channel of audio meter. Value refers to Part 4.4 Audio Meter Channel List. |
| OSD Enable | 0x9f | Turn on/off the OSD. 1: ON, 0: OFF |
| OSD Text Color | 0xa0 | Change the OSD text color. Value refers to Part 4.5 Color List. |
| OSD Background Color | 0xa1 | Change the OSD background color. Value refers to Part 4.5 Color List. |
| OSD Position | 0xa2 | Change the positions of OSD. 0: left, 1: center, 2: right |
| Custom | 0xa3 | Save the current settings to custom 1 or custom 2. 1: custom 1, 2: custom 2 |
| Size of Character Overlay | 0xa5 | Set the size of overlay character. 0: small, 1: middle, 2: large |
| Reset | 0xa6 | Reset all settings to factory settings, including IP address. |
| Manual setting IP | 0xa7/0x05 | 12 bytes. including IP address, sub-net mask, gateway. "0xa7" or "0x05" are both works in same result. |

3. Command List Enum

```
Enum MV0430_CMD
{
    MV0430_READ_ALL_PAGE_DATA = 0x90, /*Reading data*/ /*No parameters*/
    MV0430_SEND_STATUS_CUSTOM_NAME, /*Device name */ /*X Parameter (without line number)*/
    MV0430_SEND_OUTPUT_FORMAT, /*Output resolution*/ /*1 parameter*/
    MV0430_SEND_BORDER_COLOR, /* Border color*/ /*1 parameter*/
    MV0430_SEND_OUTPUT_LAYOUT, /*Output layout*/ /*1 parameter*/
    MV0430_SEND_OVERLAY_UMD_ENABLE, /* UMD display enable*/ /*2 parameter*/
    MV0430_SEND_OVERLAY_UMD_POS, /*UMD position*/ /*2 parameter*/
    MV0430_SEND_OVERLAY_TEXT_COLOR, /*UMD text color*/ /*2 parameter*/
    MV0430_SEND_OVERLAY_BACK_COLOR, /*UMD background color*/ /*2 parameter*/
    MV0430_SEND_OVERLAY_UMD_MSG, /*UMD content*/ /*X parameter*/
    MV0430_SEND_AUDIO_ENABLE, /*Audio meter enable*/ /*2 parameter*/
    MV0430_SEND_AUDIO_POS, /*Audio meter position*/ /*2 parameter*/
    MV0430_SEND_AUDIO_TRANSPARENCY, /*Audio Transparency */ /*2 parameter*/ /*reserve*/
    MV0430_SEND_AUDIO_COMBINATION, /*Audio Combination*/ /*2 parameter*/ /*reserve*/
    MV0430_SEND_AUDIO_IN_CH, /*Audio input source*/ /*2 parameter*/ /*reserve*/
    MV0430_SEND_INPUT_ENABLE, /*OSD enable*/ /*2 parameter*/
    MV0430_SEND_INPUT_TEXT_COLOR, /*OSD text color*/ /*2 parameter*/
    MV0430_SEND_INPUT_BACK_COLOR, /*OSD background color*/ /*2 parameter*/
    MV0430_SEND_INPUT_POS, /*OSD position*/ /*2 parameter*/
    MV0430_SEND_SETTING_SET_CUSOTM, /*Setting custom*/ /*1 parameter*/
    MV0430_SEND_BORDER_ENABLE, /*Border enable*/ /*1 parameter*/
    MV0430_SEND_SETTING_SET_UMD_FONT, /*Setting character size */ /*1 parameter*/
    MV0430_SEND_ALL_PAGE_DATA, /*reset (long package) */ /*X parameter*/
    MV0430_SEND_SETTING_SET_DEV_IP, /*Setting IP (reserved) */ /*12 parameter*/
};
```

Note: All commands with 2 parameter, and data part is “window ID + value”, window ID is 0, 1, 2, 3.

Part 4. Partial Parameter List

4.1 Response Format

```
typedef struct
{
    unsigned char mv0430_ver_Fgpa; /*fpga version 1byte
    unsigned char mv0430_ver_Mcu; /*mcu version 1byte
    unsigned char mv0430_output_format; /*output resolution
    unsigned char mv0430_border_color; //(xxx) border color
    unsigned char mv0430_border_enable; /*border enable
    unsigned char mv0430_output_layout; /*output layout
    unsigned char mv0430_umd_font_size; /*UMD character size
    unsigned char res_total[5]; /*reserve
    char m_mv0430_custom_name[17]; /*Device name 16 characters+'\0'
    UMD_TOTAL_DATA m_struct_umd_data[4]; /*page umd
    AUDIO_TOTAL_DATA m_struct_audio_data[4]; /*page audio
    OSD_TOTAL_DATA m_struct_osd_data[4]; /*page osd
}ALL_MV0430_CHILD_DLG_DATA;
typedef struct
{
    unsigned char umd_enable; /*umd enable
    unsigned char umd_pos; /* UMD position
    unsigned char umd_text_color; /*UMD text color
    unsigned char umd_background_color; /*UMD background color
    unsigned char res_umd[3]; /*UMD reserved
    unsigned char umd_len; /*UMD length
    char umd_str[32]; /*UMD text
}UMD_TOTAL_DATA;


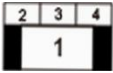
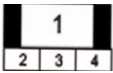

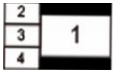
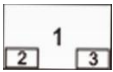

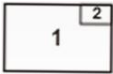
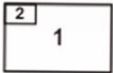
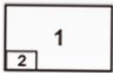
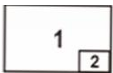
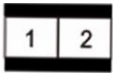


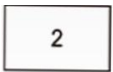

typedef struct
{
    unsigned char audio_enable; /*Audio meter enable
    unsigned char audio_pos; /*Audio meter position
    unsigned char audio_in_channel; /*Audio meter channel
    unsigned char res_audio[3]; /*Audio reserved
}AUDIO_TOTAL_DATA;

typedef struct
{
    unsigned char osd_enable; /*OSD enable
    unsigned char osd_pos; /*OSD position
    unsigned char osd_text_color; /*OSD text color
    unsigned char osd_background_color; /*OSD background color
    unsigned char res_osd[2]; /*OSD reserved
}OSD_TOTAL_DATA;
```

4.2 Output Resolution List

| Output Resolution | Value (hex) |
|-------------------|-------------|
| 1080p60hz | 0x00 |
| 1080p50hz | 0x01 |
| 1080p30hz | 0x02 |
| 1080p25hz | 0x03 |
| 1080p24hz | 0x04 |
| 1080i60hz | 0x05 |
| 1080i50hz | 0x06 |
| 720p60hz | 0x07 |
| 720p50hz | 0x08 |
| 720p30hz | 0x09 |
| 720p25hz | 0x0a |

4.3 Layout List

| Layout | Value (hex) |
|---|-------------|
|  | 0x00 |
|  | 0x01 |
|  | 0x02 |
|  | 0x03 |
|  | 0x04 |
|  | 0x05 |
|  | 0x06 |
|  | 0x07 |
|  | 0x08 |
|  | 0x09 |
|  | 0x0a |
|  | 0x0b |
|  | 0x0c |
|  | 0x0d |
|  | 0x0e |
|  | 0x0f |

4.4 Audio Meter Channel List

| Channel | Value (hex) |
|----------|-------------|
| CH 1&2 | 0x00 |
| CH 3&4 | 0x01 |
| CH 5&6 | 0x02 |
| CH 7&8 | 0x03 |
| CH 9&10 | 0x04 |
| CH 11&12 | 0x05 |
| CH 13&14 | 0x06 |
| CH 15&16 | 0x07 |

4.5 Color List

| Color | Value (hex) |
|-------------|-------------|
| Black | 0x00 |
| Blue | 0x01 |
| Red | 0x02 |
| Magenta | 0x03 |
| Green | 0x04 |
| Cyan | 0x05 |
| Yellow | 0x06 |
| White | 0x07 |
| Gray | 0x08 |
| VioletRed | 0x09 |
| LightBlue | 0x0a |
| LightGreen | 0x0b |
| LightCyan | 0x0c |
| LightYellow | 0x0d |
| Trans | 0x0e |
| HalfTrans | 0x0f |

4.6 Border Color List

| Border Color | Value (hex) |
|--------------|-------------|
| White | 0x00 |
| Red | 0x01 |
| Green | 0x02 |
| Blue | 0x03 |

4.7. Reset Format

```
typedef struct
{
    unsigned char mv0430_output_format; //output resolution
    unsigned char mv0430_border_color; //border color
    unsigned char mv0430_output_layout; //output layout
    unsigned char mv0430_border_enable; //border enable
    unsigned char mv0430_umd_font_size; //UMD character size
    unsigned char reserved_total[5]; //5 reserved, to be expanded
    char custom_name[17]; //custom name (no length in front)
    UMD_TOTAL_DATA m_strcut_umd_data[4]; //page umd
    AUDIO_TOTAL_DATA m_strcut_audio_data[4]; //page audio
    OSD_TOTAL_DATA m_strcut_osd_data[4]; //page osd
}ONE_BTN_SEND_MSG;
```

Part 5. Examples

Description: Following examples are through LAN port. Through serial port should change the interface byte and recalculate the Checksum. All data are hexadecimal. CMD in red color words, data in green words. Every packet data is in couple, including Send and Return.

Interface: LAN
 Method: UDP Unicast
 Destination Address: IP address of the multiviewer
 Destination Port: 7000

5.1. Locating a Multiviewer on the Network

Method: UDP Broadcast

Packet Format: a5 6c 14 00 81 ff 01 00 00 00 00 00 00 00 00 00 ff a5 03 ae
 Destination Address: Broadcast 255.255.255.255
 Destination Port: 7000

Return:
 a5 6c 22 00 a3 ff 01 00 00 00 00 00 00 00 00 00 ff 00 4d 56 30 34 33 30 2d 1b 2d 43 05 30 33 5f 06 ae

5.2 Read All the Data of the Device’s Current Status

Send:
 a5 6c 14 00 a3 ff 01 00 00 00 00 00 00 00 00 00 90 58 03 ae

Return:
 a5 6c 02 01 a3 ff 01 00 00 00 00 00 00 00 00 00 90 00 0a 1b 00 03 00 01 00 00 00 00 00 00 4d 56 30 34 33
 30 00 00 00 00 00 00 00 00 00 00 00 00 00 01 01 07 0f 00 00 00 0a 53 00 44 00 49 00 20 00 31 00 00 00 00 00 00
 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 01 01 07 0f 00 00 00 0a 53 00 44 00 49 00 20 00 32 00
 00 0101 07 0f 00 00 00 0a 53 00 44 00 49
 00 20 00 33 00 01 01 07 0f 00 00 00 0a
 53 00 44 00 49 00 20 00 34 00 01 00
 00 00 00 00 01 00 00 00 00 00 01 00 00 00 00 00 01 00 00 00 00 00 01 00 07 0f 00 00 01 00 07 0f 00 00 01
 00 07 0f 00 00 01 00 07 0f 00 00 8c 0a ae

Above Response Description:

| | |
|--|---|
| a5 6c 02 01 a3 ff 01 00 00 00 00 00 00 00 00 00 00 | Header format, refer to the previous data structure |
| 90 | Read the command |
| 00 | 0x00 response success |
| 0a 1b 00 03 00 01 00 00 00 00 00 00 | First 12 bytes of ALL_MV0430_CHILD_DLG_DATA |
| 4d 56 30 34 33 30 00 00 00 00 00 00 00 00 00 00 | Device name |
| 01 01 07 0f 00 00 00 | Win 1 UMD parameter |
| 0a | Win 1 UMD length |
| 53 00 44 00 49 00 20 00 31 00 00 00 00 00 00 00 | Win 1 UMD text |
| 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 | character is “SDI 1” |
| 01 01 07 0f 00 00 00 | Win 2 UMD parameter |
| 0a | Win 2 UMD length |
| 53 00 44 00 49 00 20 00 32 00 00 00 00 00 00 00 | Win 2 UMD text |
| 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 | character is “SDI 2” |
| 0101 07 0f 00 00 00 | Win 3 UMD parameter |
| 0a | Win 3 UMD length |

| | | |
|--|--|--|
| 53 00 44 00 49 00 20 00 33 00 | Win 3 UMD text character is "SDI 3" | |
| 01 01 07 0f 00 00 00 | Win 4 UMD parameter | |
| 0a | Win 3 UMD length | |
| 53 00 44 00 49 00 20 00 34 00 | Win 4 UMD text character is "SDI 4" | |
| 01 00 00 00 00 00 | Win 1 | AUDIO parameter, refer to structure AUDIO_TOTAL_DATA |
| 01 00 00 00 00 00 | Win 2 | |
| 01 00 00 00 00 00 | Win 3 | |
| 01 00 00 00 00 00 | Win 4 | |
| 01 00 07 0f 00 00 | Win 1 | OSD parameter, refer to structure OSD_TOTAL_DATA |
| 01 00 07 0f 00 00 | Win 2 | |
| 01 00 07 0f 00 00 | Win 3 | |
| 01 00 07 0f 00 00 | Win 4 | |
| 8c 0a ae | Checksum and package end | |

Note: The Character string here use the structure of ALL_MV0430_CHILD_DLG_DATA from Part 4.1 to extract the data one by one accordingly.

5.3 Rename the Device

E.g.: Rename the device to "MV0430".

Send:

a5 6c 1b 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 00 91 4d 56 30 34 33 30 00 ca 04 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 00 91 00 5a 03 ae

5.4 Output Format Setting

E.g.: Setting the output resolution to 1080p50hz.

Send:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 92 01 5c 03 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 92 00 5b 03 ae

5.5 Border Enable

E.g.: Turn on the border.

Send:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 a4 01 6e 03 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 a4 00 6d 03 ae

5.6 Set Border Color

E.g.: Set the border color to red.

Send:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 93 01 5d 03 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 93 00 5c 03 ae

5.7 Switch Multiview Layout

E.g.: Switch Multiview layout mode as 4-view 3 small windows top and 1 large bottom.

Send:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 94 01 5e 03 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 94 00 5d 03 ae

5.8 UMD Text Enable

E.g.: Turn on the UMD on channel 1

Send:

a5 6c 16 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 95 00 01 60 03 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 95 00 5e 03 ae

5.9 Set UMD Position

E.g.: Set the UMD position to the left of channel 1.

Send:

a5 6c 16 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 96 00 00 60 03 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 96 00 5f 03 ae

5.10 Set UMD Text Color

E.g.: Set UMD color to red on channel 1

Send:

a5 6c 16 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 97 00 02 63 03 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 97 00 60 03 ae

5.11 Set UMD Background Color

E.g.: Set UMD background color to Megenta in channel 1.

Send:

a5 6c 16 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 98 00 03 65 03 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 98 00 61 03 ae

5.12 Set UMD text

E.g.: Set UMD text of channel 1 to "SDI 01AAA"

Send:

a5 6c 25 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 99 00 53 00 44 00 49 00 20 00 31 00 41 00 41 00 41 00 66 05 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 99 00 62 03 ae

5.13 Audio Meter Enable

E.g.: Turn on audio meter on window 1.

Send:

a5 6c 16 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 00 00 9a 00 01 65 03 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 00 00 00 9a 00 63 03 ae

5.14 Set Audio Meter Position

E.g.: Change the position of audio meter to right on window 1.

Send:

a5 6c 16 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 00 00 9b 00 02 67 03 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 00 00 00 9b 00 64 03 ae

5.15 Set Audio Meter Channel

E.g.: Set audio meter channel of window 1 to CH 7&8

Send:

a5 6c 16 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 00 00 9e 00 03 6b 03 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 00 00 00 9e 00 67 03 ae

5.16 OSD Overlay Enable

E.g.: Turn on OSD on window 1.

Send:

a5 6c 16 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 00 00 9f 00 01 6a 03 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 00 00 00 9f 00 68 03 ae

5.17 Set OSD Position

E.g.: Set OSD to the left on window 1.

Send:

a5 6c 16 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 00 00 a2 00 00 6c 03 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 00 00 a2 00 6b 03 ae

5.18 Set OSD Text Color

E.g.: setting OSD text color to red on window 1.

Send:

a5 6c 16 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 00 00 a0 00 03 6d 03 ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 00 00 a0 00 69 03 ae

| | | |
|--|--|---|
| 53 00 44 00 49 00 20 00 33 00 | Win 3 UMD text Character is "SDI 3" | |
| 01 01 07 0f 00 00 00 | Win 4 UMD parameter | |
| 0a | Win 4 UMD length | |
| 53 00 44 00 49 00 20 00 34 00 | Win 4 UMD text Character is "SDI 4" | |
| 01 00 00 00 00 00 | Win 1 | AUDIO parameter, refer to structure AUDIO_TOTAL_DATA |
| 01 00 00 00 00 00 | Win 2 | |
| 01 00 00 00 00 00 | Win 3 | |
| 01 00 00 00 00 00 | Win 4 | |
| 01 00 07 0f 00 00 | Win 1 | OSD parameter, refer to structure OSD_TOTAL_DATA |
| 01 00 07 0f 00 00 | Win 2 | |
| 01 00 07 0f 00 00 | Win 3 | |
| 01 00 07 0f 00 00 | Win 4 | |
| 75 0b ae | Checksum and package end | |

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 00 a6 00 6f 03 ae

Note: Character string pack as ONE_SEND_MSG, please refer to structure of 4.7 part.

5.23 IP Address Settings

E.g.: Set IP address: 192.168.1.234

Sub-net mask: 255.255.255.0

Default gateway: 192.168.1.1

Send:

a5 6c 20 00 a3 ff 01 00 00 00 00 00 00 00 00 00 a7 c0 a8 01 ea ff ff ff 00 c0 a8 01 01 35 0a ae

Return:

a5 6c 15 00 a3 ff 01 00 00 00 00 00 00 00 00 00 a7 00 70 03 ae