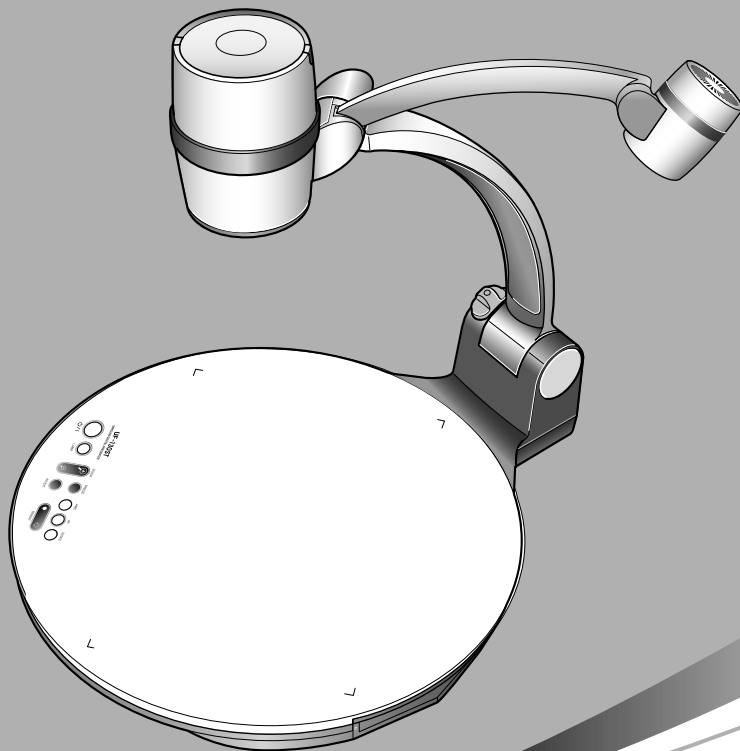


SAMSUNG



**Touchboards**

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HIGH RESOLUTION DIGITAL PRESENTER

**RS-232C REFERENCE**

**Samsung Digital Presenter  
(UF-130DX/ST)**

Before attempting to operate this product, Please read the instructions carefully.

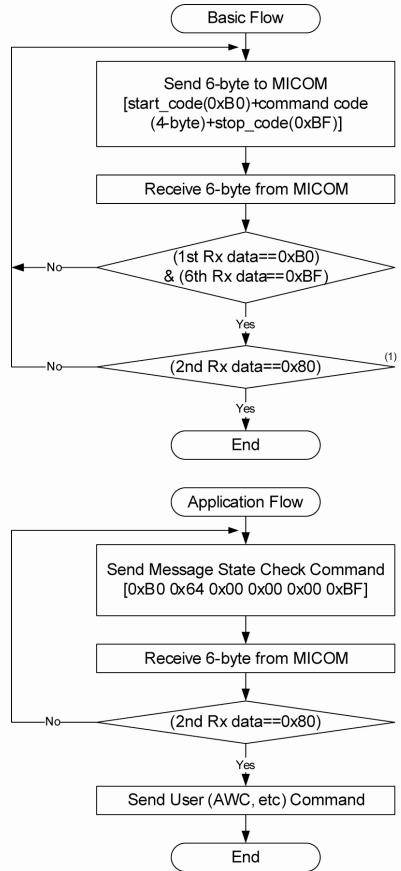
## UF-130DX/ST RS232C PC-side FlowChart

- BaudRate: 9600bps
- Parity Bit: No Parity
- Stop Bit Length: 1-bit
- Character Length: 8-bit
- Start Code: 0xB0
- Stop Code: 0xBF
- Command Code: 4-byte

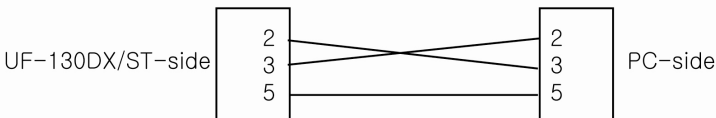
**<Note1 2nd Rx data == 0x80>**

What the 2nd-Rx-data ("ACK data") is not 0x80 means that the system is doing other operation. (Check up page 6)

With the command "Message-Status", you can check up current status of the system and send the user command. (AWC, etc)



### UF-130DX/ST RS232C Cable Connection



## RS232C Command Code (UF-130DX/ST)

| Command      | PC Transmit Data to MICOM |      |      |      | PC Receive Data from MICOM |            |      |      | Remark |
|--------------|---------------------------|------|------|------|----------------------------|------------|------|------|--------|
|              | 1st                       | 2nd  | 3rd  | 4th  | 1st                        | 2nd        | 3rd  | 4th  |        |
| AWC          | 0x01                      | 0x00 | 0x05 | 0x00 | 0x01                       | "ACK data" | 0x05 | 0x00 |        |
| AF           | 0x02                      | 0x00 | 0x05 | 0x00 | 0x02                       | "ACK data" | 0x05 | 0x00 |        |
| Lamp ON      | 0x03                      | 0x00 | 0x05 | 0x00 | 0x03                       | "ACK data" | 0x05 | 0x00 |        |
| Lamp OFF     |                           | 0x00 | 0x0A | 0x00 |                            | "ACK data" | 0x0A | 0x00 |        |
| Internal     | 0x04                      | 0x00 | 0x05 | 0x00 | 0x04                       | "ACK data" | 0x05 | 0x00 |        |
| External     |                           | 0x00 | 0x0A | 0x00 |                            | "ACK data" | 0x0A | 0x00 |        |
| Aperture ON  | 0x09                      | 0x00 | 0x05 | 0x00 | 0x09                       | "ACK data" | 0x05 | 0x00 |        |
| Aperture OFF |                           | 0x00 | 0x0A | 0x00 |                            | "ACK data" | 0x0A | 0x00 |        |
| Power On     | 0x0F                      | 0x00 | 0x05 | 0x00 | 0x0F                       | "ACK data" | 0x05 | 0x00 |        |
| Power OFF    |                           | 0x00 | 0x0A | 0x00 |                            | "ACK data" | 0x0A | 0x00 |        |
| Rotate OFF   | 0x11                      | 0x00 | 0x05 | 0x00 | 0x11                       | "ACK data" | 0x05 | 0x00 |        |
| Rotate 90°   |                           | 0x00 | 0x08 | 0x00 |                            | "ACK data" | 0x08 | 0x00 |        |
| Rotate 180°  |                           | 0x00 | 0x0A | 0x00 |                            | "ACK data" | 0x0A | 0x00 |        |
| Rotate 270°  |                           | 0x00 | 0x0D | 0x00 |                            | "ACK data" | 0x0D | 0x00 |        |

## RS232C Command Code (UF-130DX/ST)

| Command      | PC Transmit Data to MICOM |      |        |      | PC Receive Data from MICOM |           |        |      | Remark        |
|--------------|---------------------------|------|--------|------|----------------------------|-----------|--------|------|---------------|
|              | 1st                       | 2nd  | 3rd    | 4th  | 1st                        | 2nd       | 3rd    | 4th  |               |
| Freeze ON    | 0x12                      | 0x00 | 0x05   | 0x00 | 0x12                       | "ACKdata" | 0x05   | 0x00 |               |
| Freeze OFF   |                           | 0x00 | 0x0A   | 0x00 |                            | "ACKdata" | 0x0A   | 0x00 |               |
| Preset Save  | 0x17                      | 0x00 | Number | 0x00 | 0x17                       | "ACKdata" | Number | 0x00 | Range : "1~4" |
| Preset Exe   | 0x18                      | 0x00 | Number | 0x00 | 0x18                       | "ACKdata" | Number | 0x00 |               |
| Iris Up      | 0x21                      | 0x00 | 0x05   | 0x00 | 0x21                       | "ACKdata" | 0x05   | 0x00 |               |
| Iris Down    |                           | 0x00 | 0x0A   | 0x00 |                            | "ACKdata" | 0x0A   | 0x00 |               |
| Red Up       | 0x23                      | 0x00 | 0x05   | 0x00 | 0x23                       | "ACKdata" | 0x05   | 0x00 |               |
| Red Down     |                           | 0x00 | 0x0A   | 0x00 |                            | "ACKdata" | 0x0A   | 0x00 |               |
| Blue Up      | 0x24                      | 0x00 | 0x05   | 0x00 | 0x24                       | "ACKdata" | 0x05   | 0x00 |               |
| Blue Down    |                           | 0x00 | 0x0A   | 0x00 |                            | "ACKdata" | 0x0A   | 0x00 |               |
| Overlay(PIP) | 0x48                      | 0x00 | 0x05   | 0x00 | 0x48                       | "ACKdata" | 0x05   | 0x00 |               |

<Note1> Transmitting number "9" in image divide command, the system executes 3X3 multi-screen mode.

<Note 2> Overlay(PIP) function is for UF-130DX only.

## RS232C Command Code (UF-130DX/ST)

| Command                      | PC Transmit Data to MICOM |      |              |             | PC Receive Data from MICOM |            |              |             | Remark   |
|------------------------------|---------------------------|------|--------------|-------------|----------------------------|------------|--------------|-------------|--|
|                              | 1st                       | 2nd  | 3rd          | 4th         | 1st                        | 2nd        | 3rd          | 4th         |  |
| Focus Far                    | 0x25                      | 0x00 | 0x05         | 0x00        | 0x25                       | "ACK data" | 0x05         | 0x00        |  |
| Focus Near                   |                           | 0x00 | 0x0A         | 0x00        |                            | "ACK data" | 0x0A         | 0x00        |  |
| Zoom Tele                    | 0x26                      | 0x00 | 0x05         | 0x00        | 0x26                       | "ACK data" | 0x05         | 0x00        | Range : "1~120"                                    |
| Zoom Wide                    |                           | 0x00 | 0x0A         | 0x00        |                            | "ACK data" | 0x0A         | 0x00        |  |
| Iris Target                  | 0x41                      | 0x00 | 0x00         | "data"      | 0x41                       | "ACK data" | 0x00         | "data"      | Range : "1~120"                                    |
| Red Target                   | 0x43                      | 0x00 | 0x00         | "data"      | 0x43                       | "ACK data" | 0x00         | "data"      | Range : "1~200"                                    |
| Blue Target                  | 0x44                      | 0x00 | 0x00         | "data"      | 0x44                       | "ACK data" | 0x00         | "data"      | Range : "1~200"                                    |
| Focus Target                 | 0x45                      | 0x00 | "MSB data"   | "LSB data"  | 0x45                       | "ACK data" | "MSB data"   | "LSB data"  | <sup>(1)</sup> Range : "0~2225"                    |
| Zoom Target                  | 0x46                      | 0x00 | "MSB data"   | "LSB data"  | 0x46                       | "ACK data" | "MSB data"   | "LSB data"  | Range : "0~1916"                                   |
| Focus/Zoom Concurrent Target | 0x47                      | 0x00 | "zoom data"  | "zoom LSB"  | 0x47                       | "ACK data" | "zoom data"  | "zoom LSB"  | <sup>(1)</sup> Focus : "0~2225"<br>Zoom : "0~1916" |
|                              |                           |      | "focus data" | "focus LSB" |                            | "ACK data" | "focus data" | "focus LSB" |  |
| <sup>(1)</sup> Drive Stop    | 0x2F                      | 0x00 | 0x05         | 0x00        | 0x2D                       | "ACK data" | 0x05         | 0x00        |  |

<Note1> Depending of the zoom amount, the range of focus data will be changed. You can figure it out to see page 6. ("Focus-Status[Max]", "Focus-Status[Min]")

<Note2> Above 10 Command (Iris up/down ,Red up/down, Blue up/down, Focus far/near, Zoom tele/wide) will go to all the way once you execute it.

"Drive Stop" can stop those command in certain point that you want.

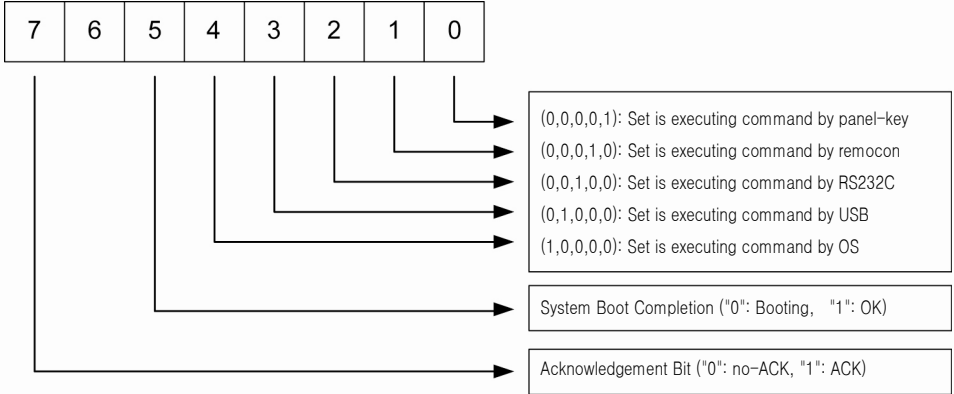
## RS232C Command Code (UF-130DX/ST)

| Command                          | PC Transmit Data to MICOM |      |      |      | PC Receive Data from MICOM |            |             |             | Remark                                       |
|----------------------------------|---------------------------|------|------|------|----------------------------|------------|-------------|-------------|--|
|                                  | 1st                       | 2nd  | 3rd  | 4th  | 1st                        | 2nd        | 3rd         | 4th         |  |
| Set-Status(Normal)               | 0x61                      | 0x00 | 0x00 | 0x00 | 0x61                       | "ACK data" | Status(MSB) | Status(LSB) | Bit definition of Status represents Page 7,8 |
| Iris-Status                      | 0x65                      | 0x00 | 0x00 | 0x00 | 0x65                       | "ACK data" | 0x00        | Status      | Range : "1~120"                              |
| Red-Status                       | 0x67                      | 0x00 | 0x00 | 0x00 | 0x67                       | "ACK data" | 0x00        | Status      | Range : "1~200"                              |
| Blue-Status                      | 0x68                      | 0x00 | 0x00 | 0x00 | 0x68                       | "ACK data" | 0x00        | Status      | Range : "1~200"                              |
| Zoom-Status                      | 0x69                      | 0x00 | 0x00 | 0x00 | 0x69                       | "ACK data" | Status(MSB) | Status(LSB) | Range : "0~1916"                             |
| Focus-Status                     | 0x6A                      | 0x00 | 0x00 | 0x00 | 0x6A                       | "ACK data" | Status(MSB) | Status(LSB) | Range : "0~2225"                             |
| <sup>(1)</sup> Focus-Status[Max] | 0x6B                      | 0x00 | 0x05 | 0x00 | 0x6B                       | "ACK data" | Status(MSB) | Status(LSB) | Range : "648~2225"                           |
| <sup>(1)</sup> Focus-Status[Min] |                           | 0x00 | 0x0A | 0x00 |                            | "ACK data" | Status(MSB) | Status(LSB) | Range : "0~1383"                             |

<Note1> This command returns focus maximum/minimum data at current zoom position.

## RS232C Command Code (UF-130DX/ST)

### ◎ Bit Definition of “ACK data”

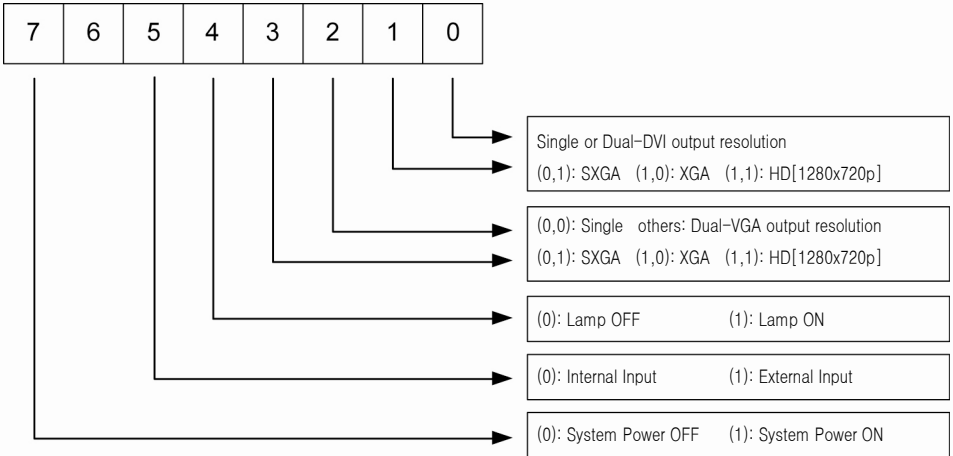


<Note1> 'Set is executing command by OS' bit is for UF-130DX only.

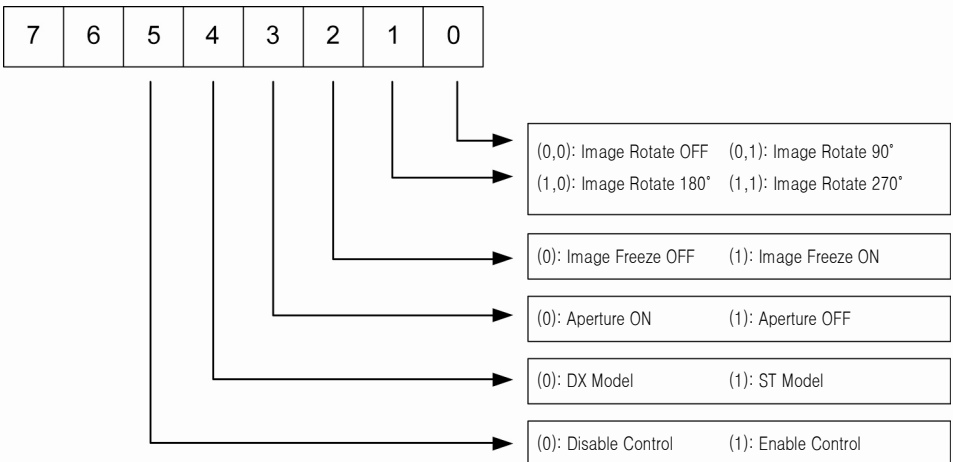
## RS232C Command Code (UF-130DX/ST)

### ◎ Status Bit Definition by Set-Status Command

#### - LSB 8bit



#### - MSB 8bit



<Note 1> Disable/Enable Control bit is for UF-130DX only.



**Memo**

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