

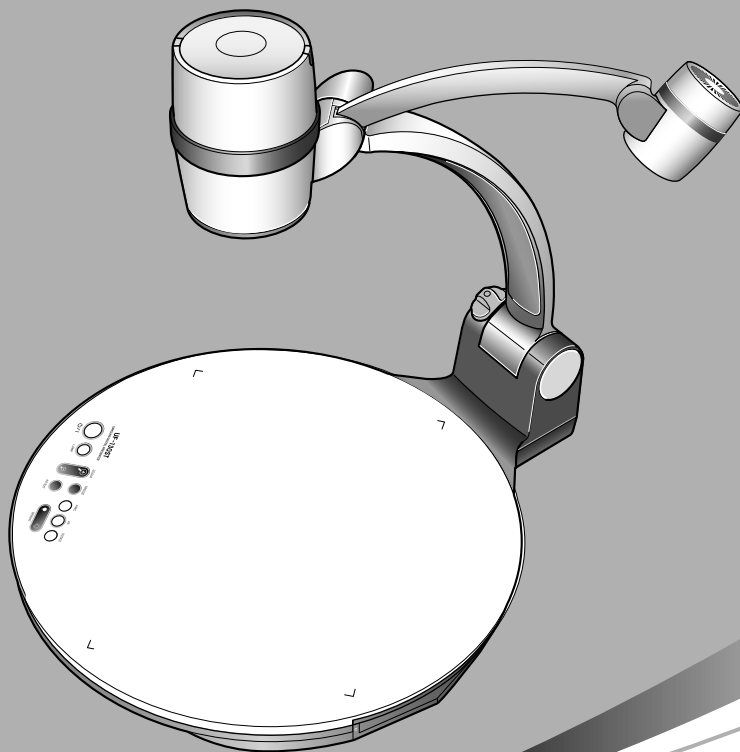
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HIGH RESOLUTION DIGITAL PRESENTER

RS-232C REFERENCE

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

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

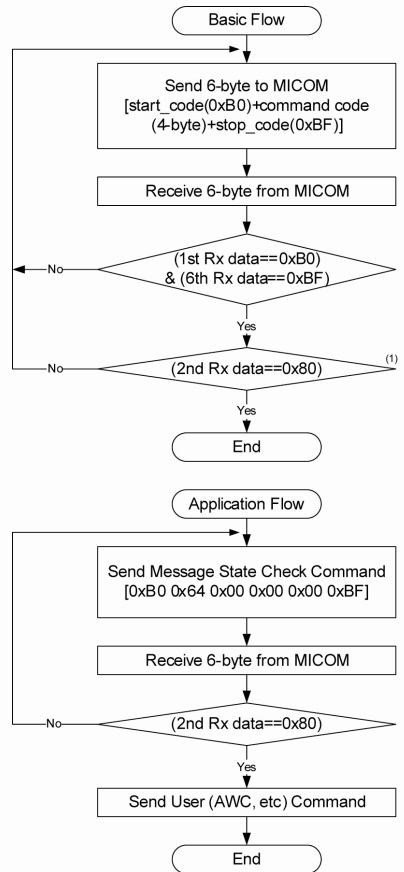
UF-130DX/ST RS232C PC-side FlowChart

- 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

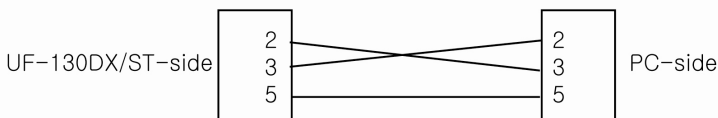
<Note1 2nd Rx data == 0x80>

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	"ACK data"	0x05	0x00	
Freeze OFF		0x00	0x0A	0x00		"ACK data"	0x0A	0x00	
Preset Save	0x17	0x00	Number	0x00	0x17	"ACK data"	Number	0x00	Range : "1~4"
Preset Exe	0x18	0x00	Number	0x00	0x18	"ACK data"	Number	0x00	
Iris Up	0x21	0x00	0x05	0x00	0x21	"ACK data"	0x05	0x00	
Iris Down		0x00	0x0A	0x00		"ACK data"	0x0A	0x00	
Red Up	0x23	0x00	0x05	0x00	0x23	"ACK data"	0x05	0x00	
Red Down		0x00	0x0A	0x00		"ACK data"	0x0A	0x00	
Blue Up	0x24	0x00	0x05	0x00	0x24	"ACK data"	0x05	0x00	
Blue Down		0x00	0x0A	0x00		"ACK data"	0x0A	0x00	
Overlay(PIP)	0x48	0x00	0x05	0x00	0x48	"ACK data"	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	<u>"ACK data"</u>	0x05	0x00	
Focus Near		0x00	0x0A	0x00		<u>"ACK data"</u>	0x0A	0x00	
Zoom Tele	0x26	0x00	0x05	0x00	0x26	<u>"ACK data"</u>	0x05	0x00	Range : "1~120"
Zoom Wide		0x00	0x0A	0x00		<u>"ACK data"</u>	0x0A	0x00	
Iris Target	0x41	0x00	0x00	<u>"data"</u>	0x41	<u>"ACK data"</u>	0x00	<u>"data"</u>	Range : "1~120"
Red Target	0x43	0x00	0x00	<u>"data"</u>	0x43	<u>"ACK data"</u>	0x00	<u>"data"</u>	Range : "1~200"
Blue Target	0x44	0x00	0x00	<u>"data"</u>	0x44	<u>"ACK data"</u>	0x00	<u>"data"</u>	Range : "1~200"
Focus Target	0x45	0x00	<u>"MSB data"</u>	<u>"LSB data"</u>	0x45	<u>"ACK data"</u>	<u>"MSB data"</u>	<u>"LSB data"</u>	(1)Range : "0~2225"
Zoom Target	0x46	0x00	<u>"MSB data"</u>	<u>"LSB data"</u>	0x46	<u>"ACK data"</u>	<u>"MSB data"</u>	<u>"LSB data"</u>	Range : "0~1916"
Focus/Zoom Concurrent Target	0x47	0x00	<u>"zoom data"</u>	<u>"zoom LSB"</u>	0x47	<u>"ACK data"</u>	<u>"zoom data"</u>	<u>"zoom LSB"</u>	(1)Focus : "0~2225" Zoom : "0~1916"
			<u>"focus data"</u>	<u>"focus LSB"</u>		<u>"ACK data"</u>	<u>"focus data"</u>	<u>"focus LSB"</u>	
(1)Drive Stop	0x2F	0x00	0x05	0x00	0x2D	<u>"ACK data"</u>	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.

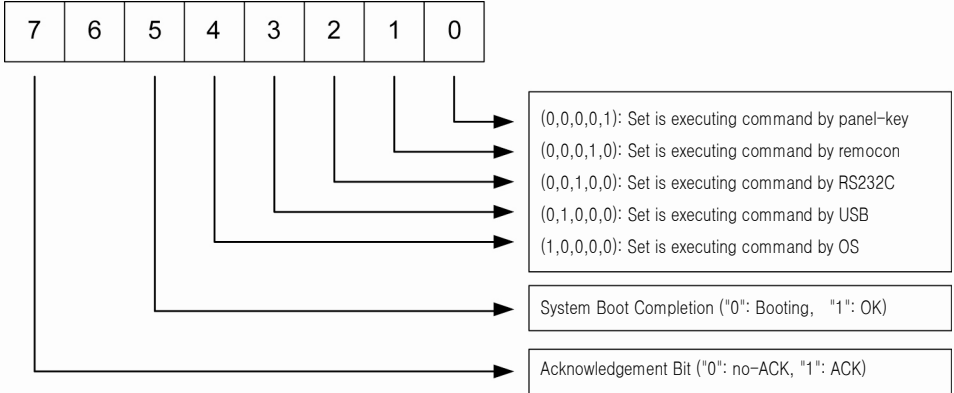
RS232C Command Code (UF-130DX/ST)

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"
⁽¹⁾ Focus-Status[Max]	0x6B	0x00	0x05	0x00	0x6B	"ACK data"	Status(MSB)	Status(LSB)	Range : "648~2225"
⁽¹⁾ 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”

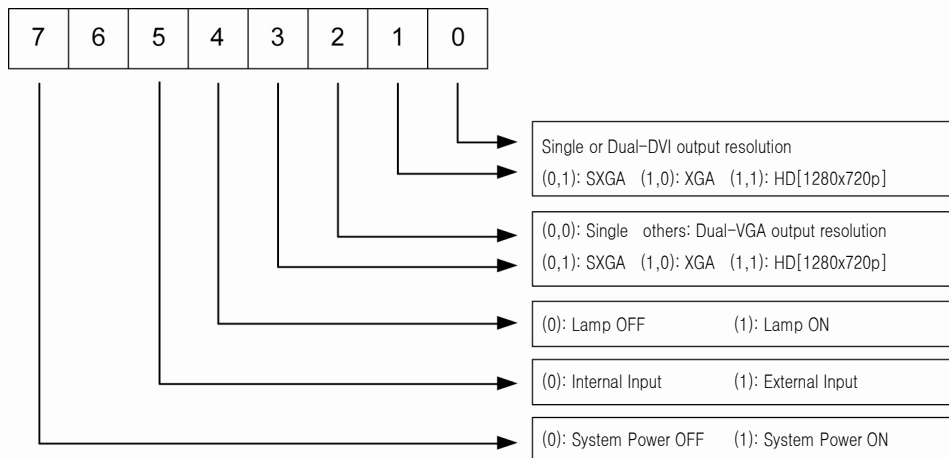


<Note1> 'Set is executing command by OS' bit is for UF-130DX only.

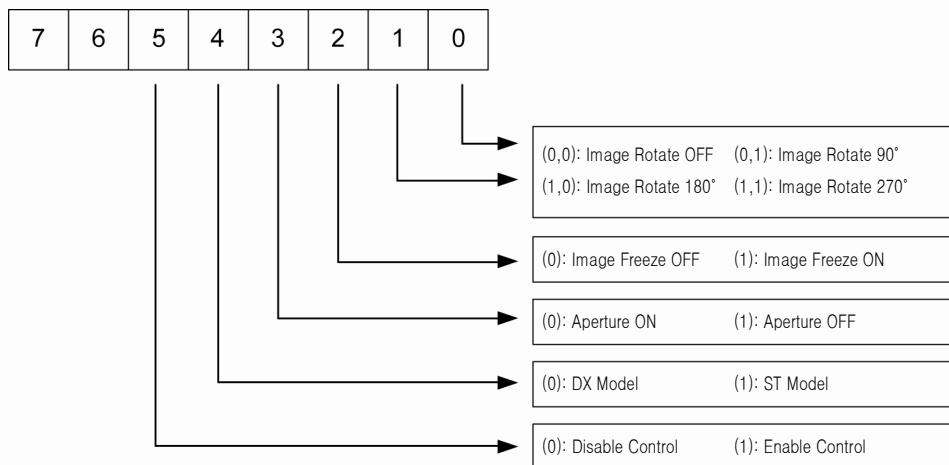
RS232C Command Code (UF-130DX/ST)

◎ 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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