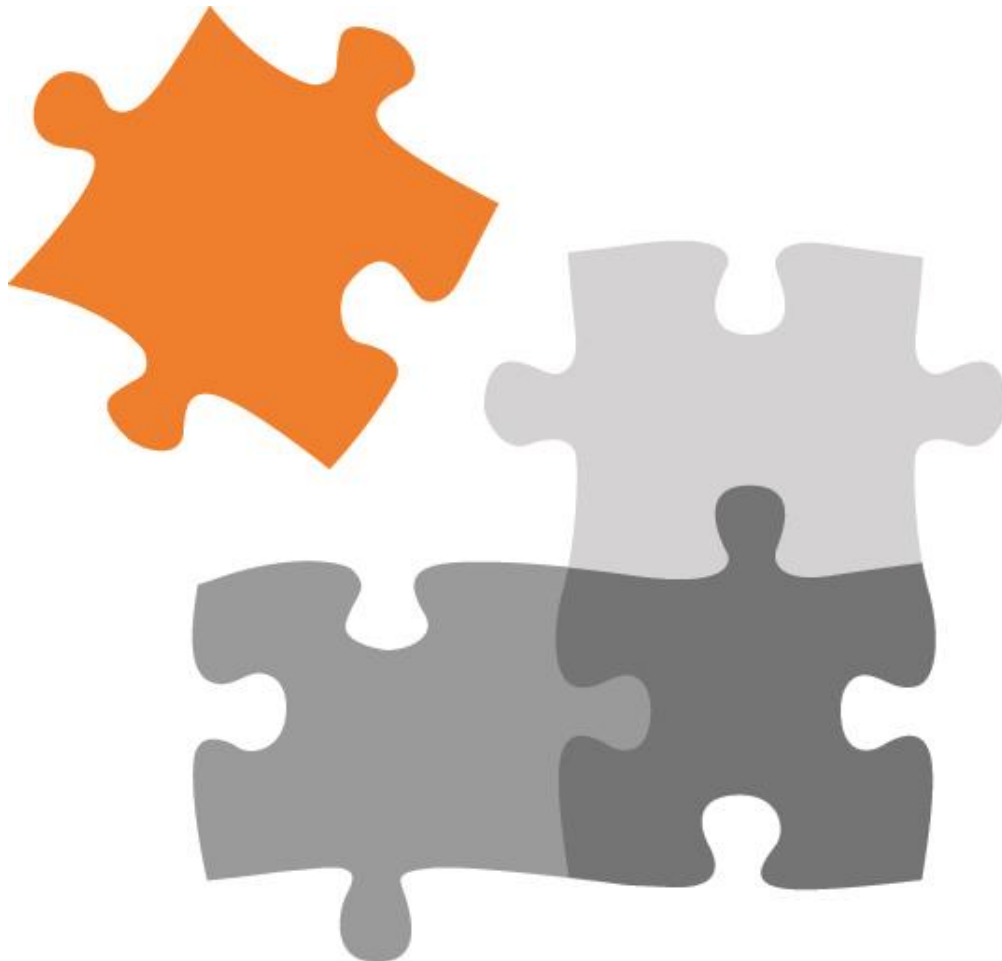


How to find SICP version number on Philips monitors



Neets

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Revision list

Dato	Revision	Initialer	Beskrivelse
18-11-2016	1	MLL	First release

Description of Problem

When controlling Philips monitors with RS-232 communication, you have to use the correct protocol based on SICP versions. For now there are released many different versions and there are differences between them all. We have, for now, only found one method for finding the SICP version.

Required components and software:

To retrieve this correct SICP version you need the following:

- RS-232 port on your computer (can be an adaptor like this one from Neets.dk <http://www.neets.dk/products/programming-kit/49/308-0001>)
- Terminal program like Docklight V.2.2 (<http://docklight.de/downloads/>)
- 9 pin D-Sub serial crossed cable (null modem) between your computer and monitor
- Your computer needs to be on the internet in order to get access to the SICP protocols

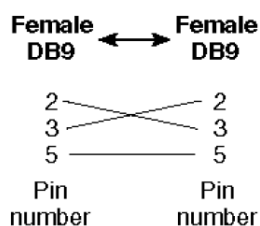
Physical Specifications

1. Baud Rate : 1200, 2400, 4800, 9600(default), 19200, 38400, 57600
2. Data bits: 8
3. Parity : None
4. Stop Bit : 1
5. Flow Control : None
6. The Pin Assignments for DB9 male connector:
Male D-Sub 9-Pin (outside view)



Pin #	Signal	Remark
1	NC	
2	RXD	Input to LCD Monitor
3	TXD	Output from LCD Monitor
4	NC	
5	GND	
6	NC	
7	NC	
8	NC	
9	NC	
frame	GND	

Note: A crossover cable (null modem) is needed for connection to the host controller:



Philips Signage displays use RXD, TXD and GND pins for RS-232C control. For RS-232C cable, the reverse type cable should be used.

Retrieving SICP version

Make a connection from your machine to the monitor.



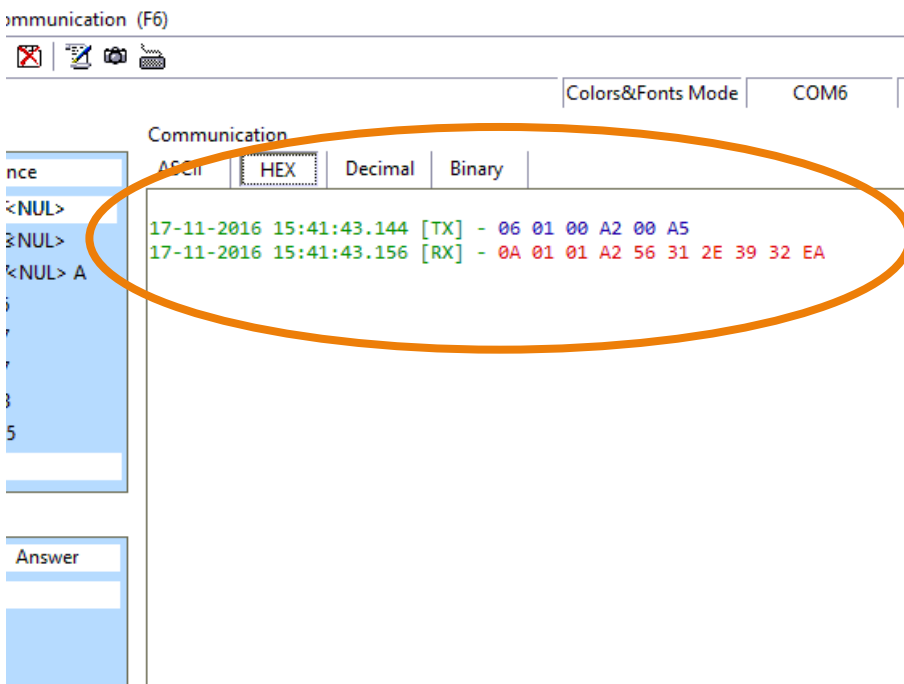
Run your terminal program and send the following code in HEX (pay attention to Baud rate):

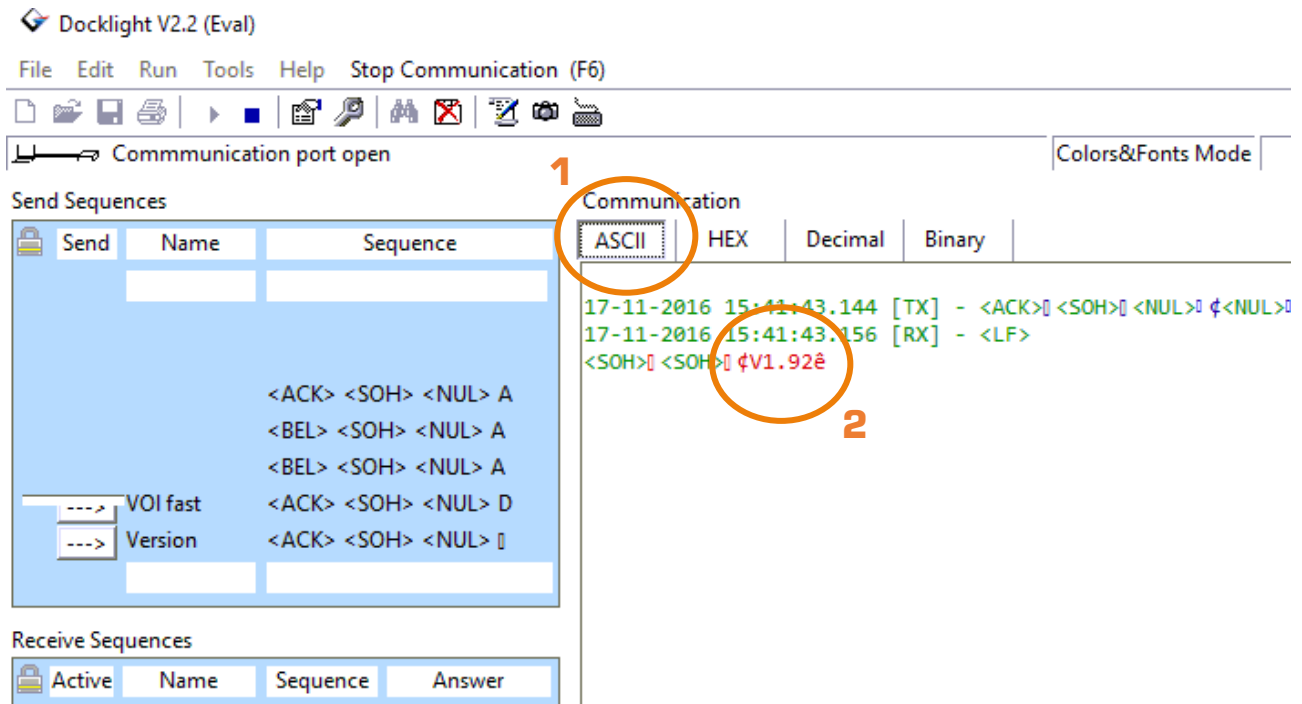
Example: Get SICP version (Display address 01)

MsgSize	Control	Group	Data (0)	Data (1)	Checksum
0x06	0x01	0x00	0xA2	0x00	0xA5

Hex code to be transmitted from the example are: 06 01 00 A2 00 A5

The answer should be:





1: Remember to change the communication to ASCII in order to read the version number!

2: In this answer you can find your SICP version, convert to ASCII and read out the version.

When you have the correct SICP version number, please refer to corresponding protocol and create your driver based on that, follow this link to find the different versions:

[Link to Philips Dropbox with SICP Protocols](#)

Best regards
Your Neets Support Team.