



# VIEWING DIAGNOSTIC AND HOST DATA IN THE SOPAS TERMINAL

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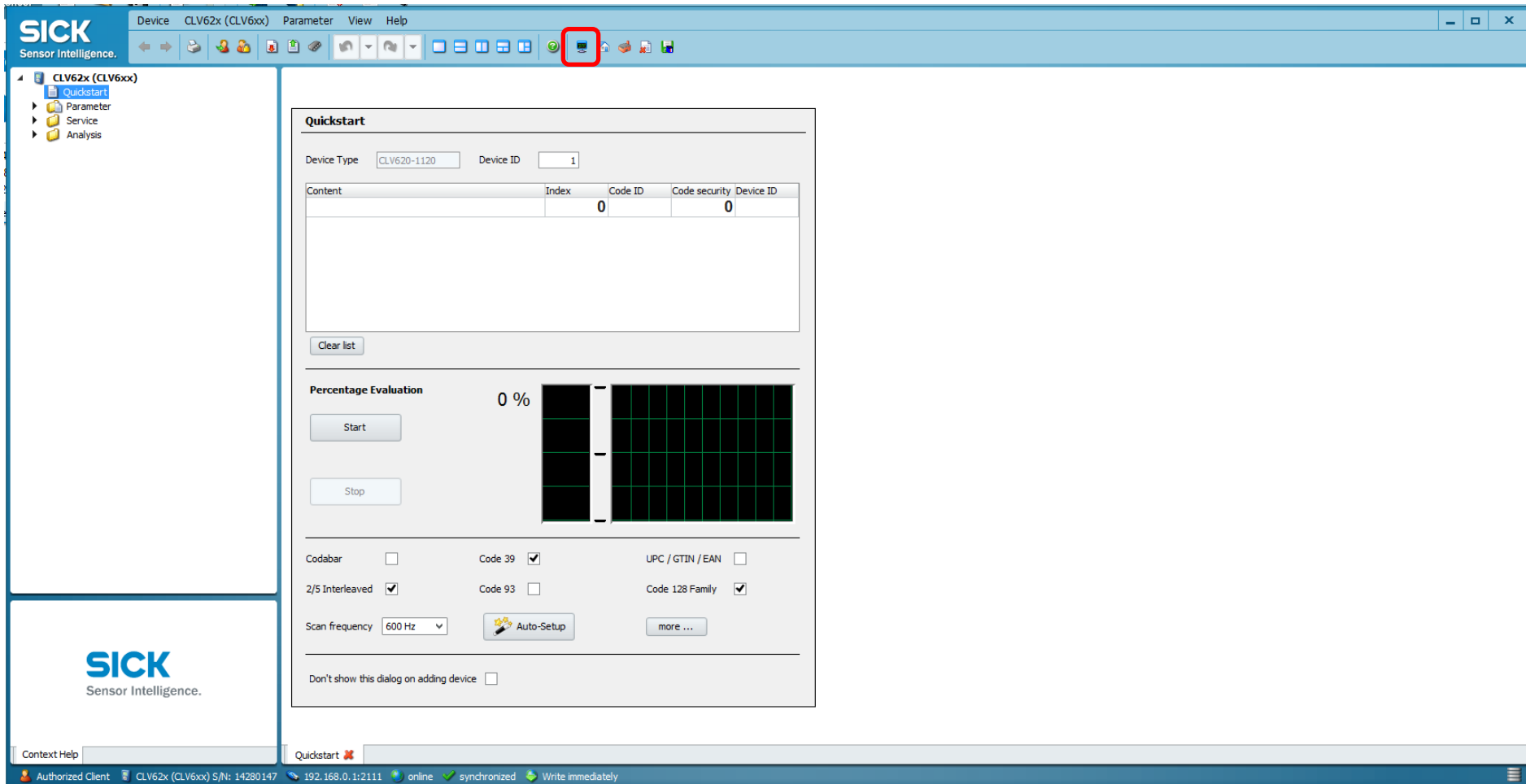
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June 8, 2015

**SICK**  
Sensor Intelligence.

# Viewing diagnostic data in the SOPAS Terminal

Click on the Terminal Icon



**SICK**  
Sensor Intelligence.

Device CLV62x (CLV6xx) Parameter View Help

Quickstart

Device Type: CLV620-1120 Device ID: 1

Content	Index	Code ID	Code security	Device ID
	0		0	

Clear list

Percentage Evaluation: 0 %

Start Stop

Codabar  Code 39  UPC / GTIN / EAN   
2/5 Interleaved  Code 93  Code 128 Family

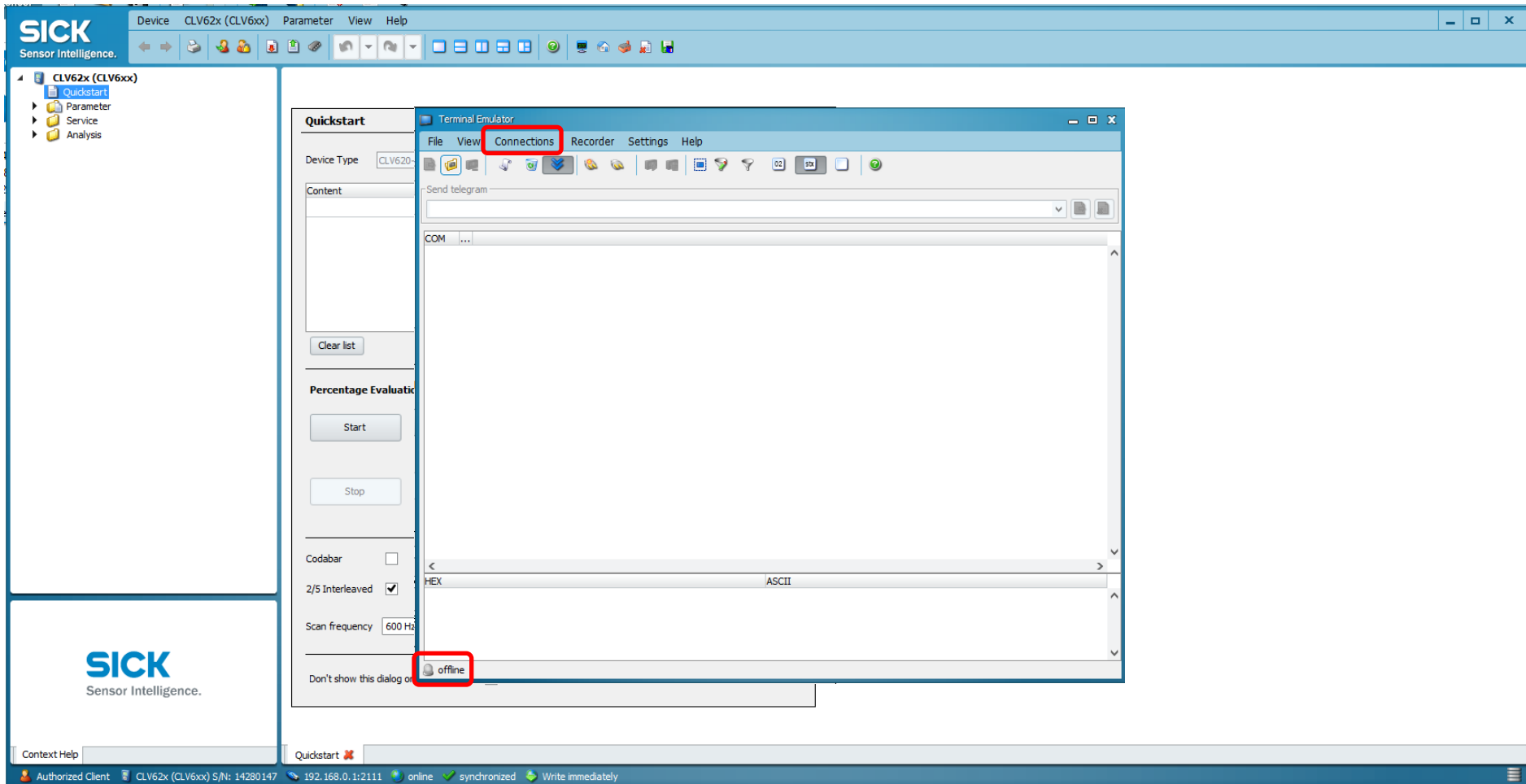
Scan frequency: 600 Hz Auto-Setup more ...

Don't show this dialog on adding device

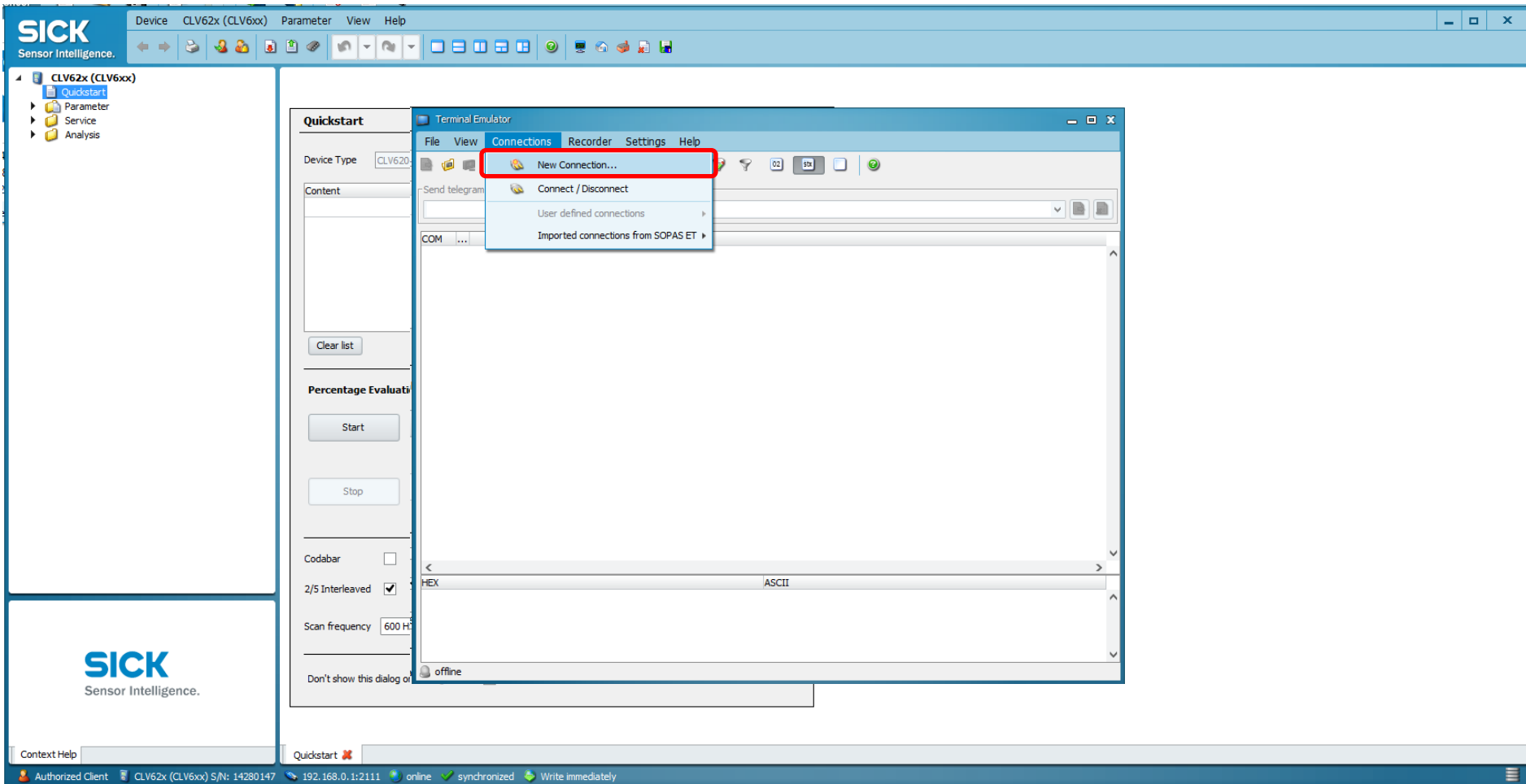
Context Help Quickstart

Authorized Client CLV62x (CLV6xx) S/N: 14280147 192.168.0.1:2111 online synchronized Write immediately

Initially the Terminal is offline. Click on the Connections drop down menu.



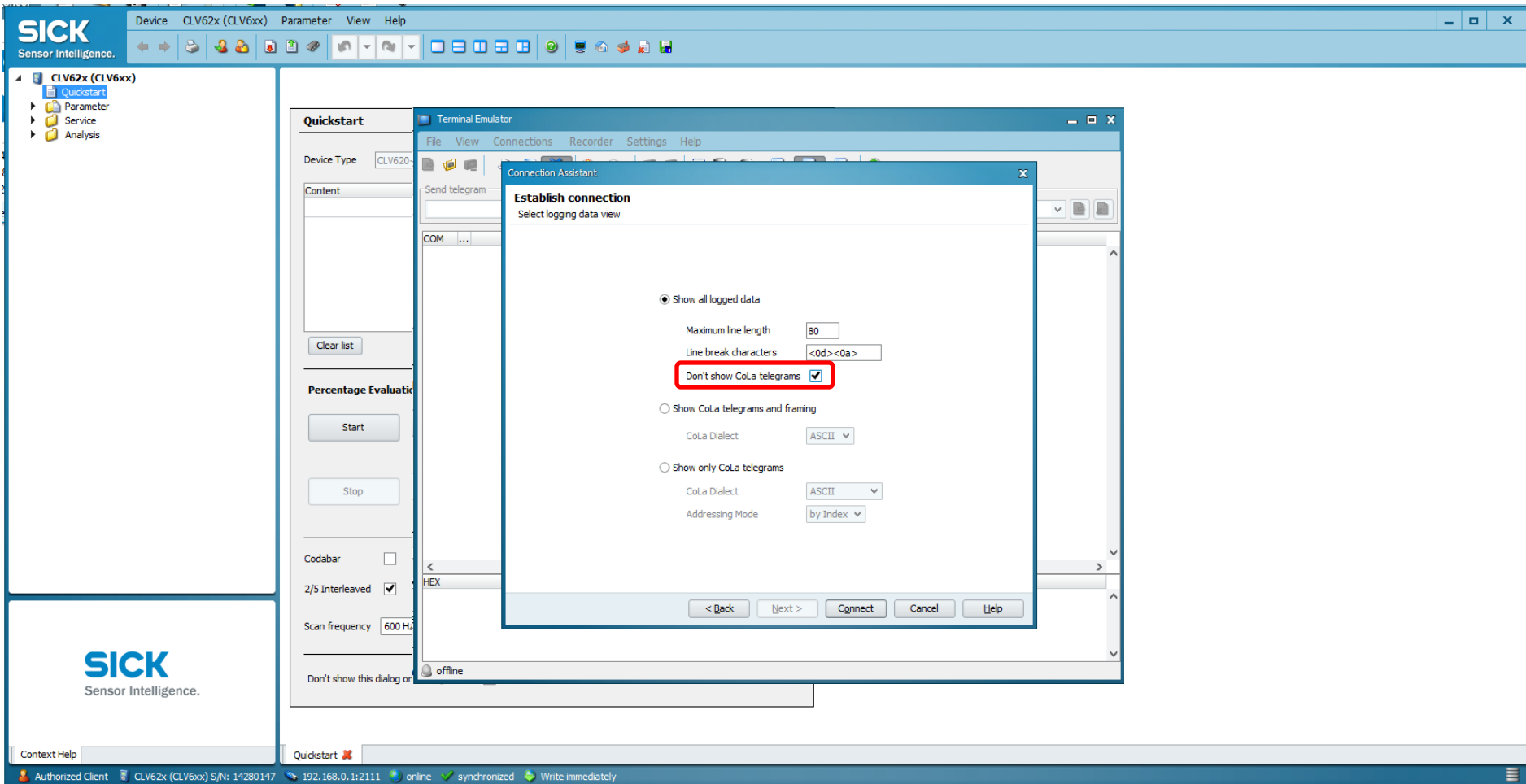
Click on “New Connections.”



Select \*...COLA\_A.

The screenshot shows the SICK software interface with a 'Connection Assistant' dialog box open. The dialog box is titled 'Establish connection' and contains the text 'Select active connection'. There are two radio button options: the first is 'CLV62x (CLV6xx), 192.168.0.1:2111(COLA\_A)' and the second is 'User defined connection'. The first option is selected and highlighted with a red rectangular box. At the bottom of the dialog box, there are buttons for '< Back', 'Next >', 'Connect', 'Cancel', and 'Help'. The background interface shows a 'Quickstart' panel on the left with fields for 'Device Type' (CLV620), 'Content', 'Percentage Evaluation', 'Start', 'Stop', 'Codabar', '2/5 Interleaved', and 'Scan frequency' (600 Hz). The status bar at the bottom indicates 'Authorized Client', 'CLV62x (CLV6xx) S/N: 14280147', '192.168.0.1:2111', 'online', 'synchronized', and 'Write immediately'.

Select “Show all logged data” and activate “Don’t show CoLa telegrams.”



Terminal will show Device connected and Online.  
Diagnostic data from the scanner will appear on terminal.

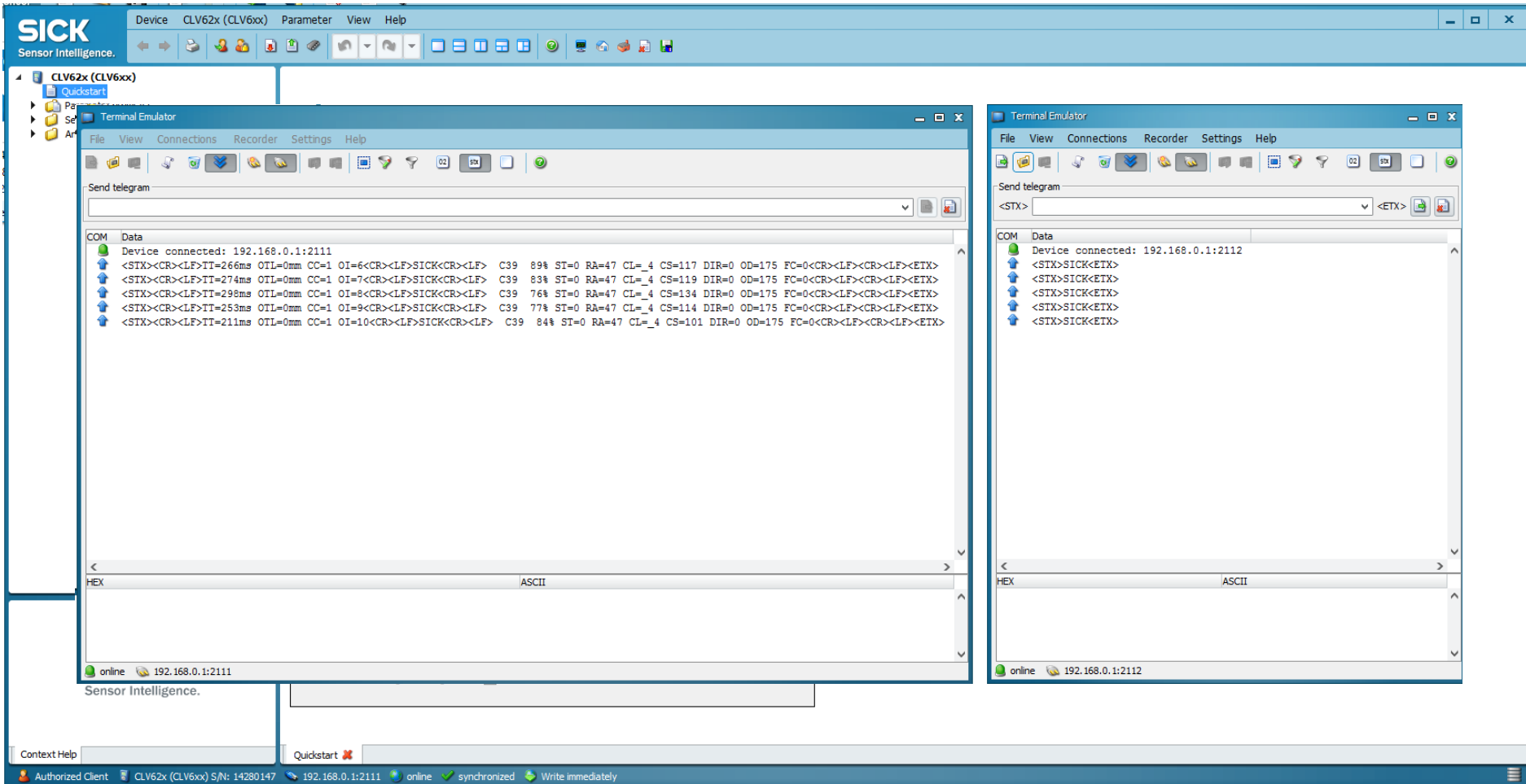
The screenshot displays the SICK Sensor Intelligence software interface. The main window is titled "CLV62x (CLV6xx)" and contains a "Terminal Emulator" window. The terminal window shows the following output:

```
COM Data  
Device connected: 192.168.0.1:2111  
<STX><CR><LF>II=286ms OIL=0mm CC=1 OI=1<CR><LF>SICK<CR><LF> C39 95% ST=0 RA=47 CL=4 CS=162 DIR=0 OD=175 FC=0<CR><LF><CR><LF><ETX>  
<STX><CR><LF>II=278ms OIL=0mm CC=1 OI=2<CR><LF>SICK<CR><LF> C39 90% ST=0 RA=47 CL=4 CS=149 DIR=0 OD=175 FC=0<CR><LF><CR><LF><ETX>  
<STX><CR><LF>II=191ms OIL=0mm CC=1 OI=3<CR><LF>SICK<CR><LF> C39 100% ST=0 RA=47 CL=4 CS=221 DIR=0 OD=175 FC=0<CR><LF><CR><LF><ETX>  
<STX><CR><LF>II=150ms OIL=0mm CC=1 OI=4<CR><LF>SICK<CR><LF> C39 100% ST=0 RA=47 CL=4 CS=88 DIR=0 OD=175 FC=0<CR><LF><CR><LF><ETX>  
<STX><CR><LF>II=210ms OIL=0mm CC=1 OI=5<CR><LF>SICK<CR><LF> C39 89% ST=0 RA=47 CL=4 CS=219 DIR=0 OD=175 FC=0<CR><LF><CR><LF><ETX>
```

At the bottom of the terminal window, the status "online 192.168.0.1:2111" is displayed. The SICK logo and "Sensor Intelligence." are visible in the bottom left corner of the main application window.

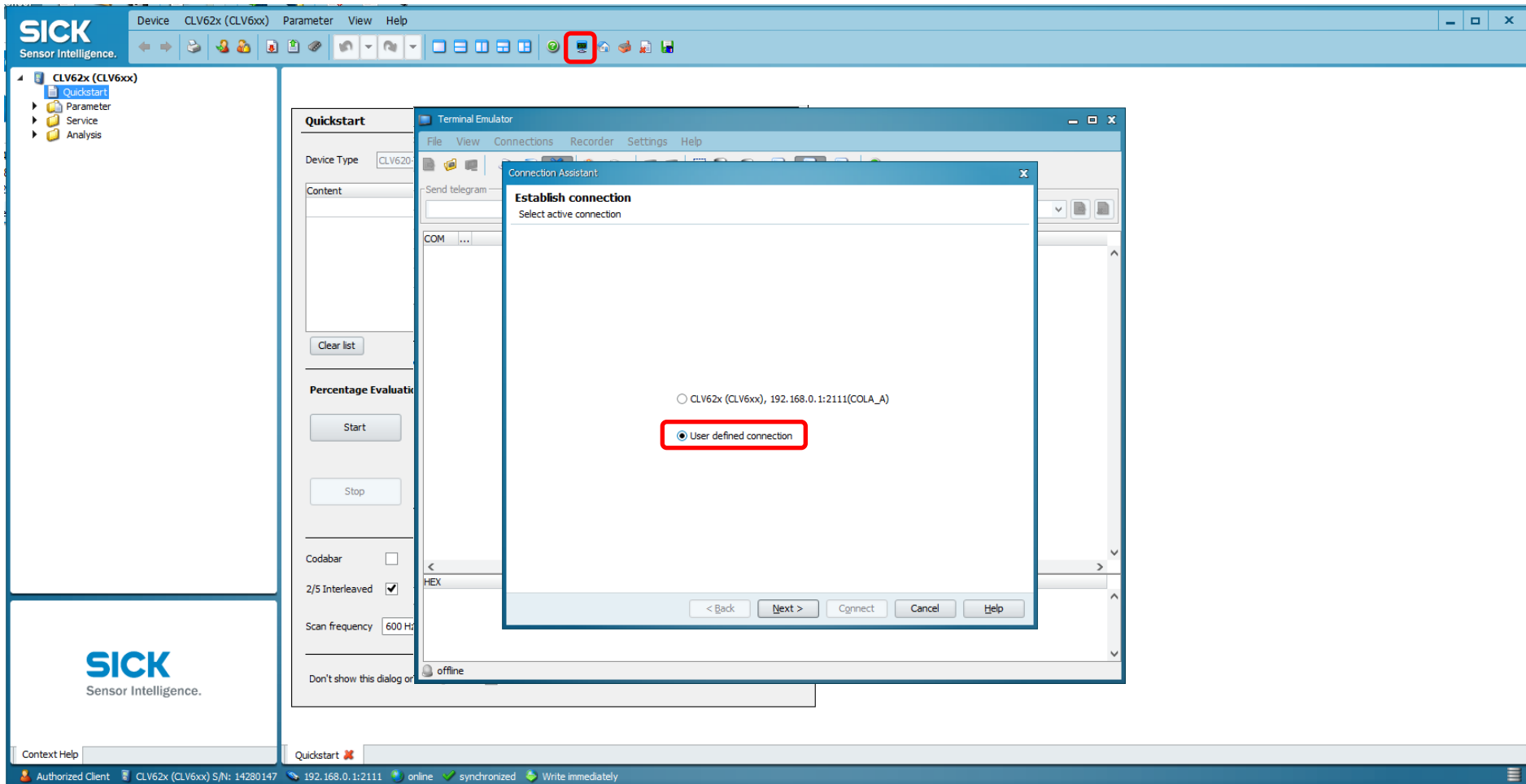
# Viewing Host data in SOPAS Terminal.

It is also possible to have more than one terminal screen active.

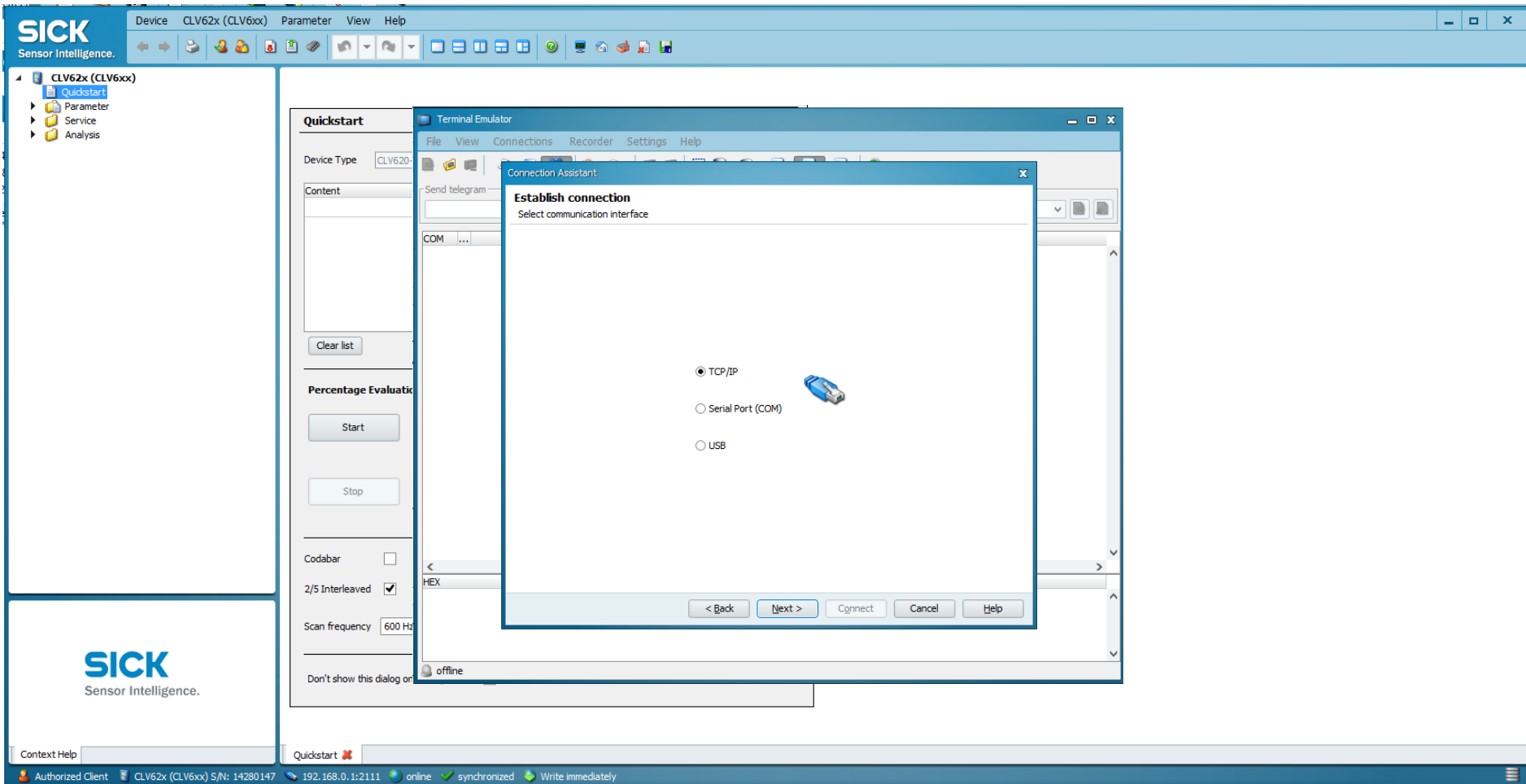




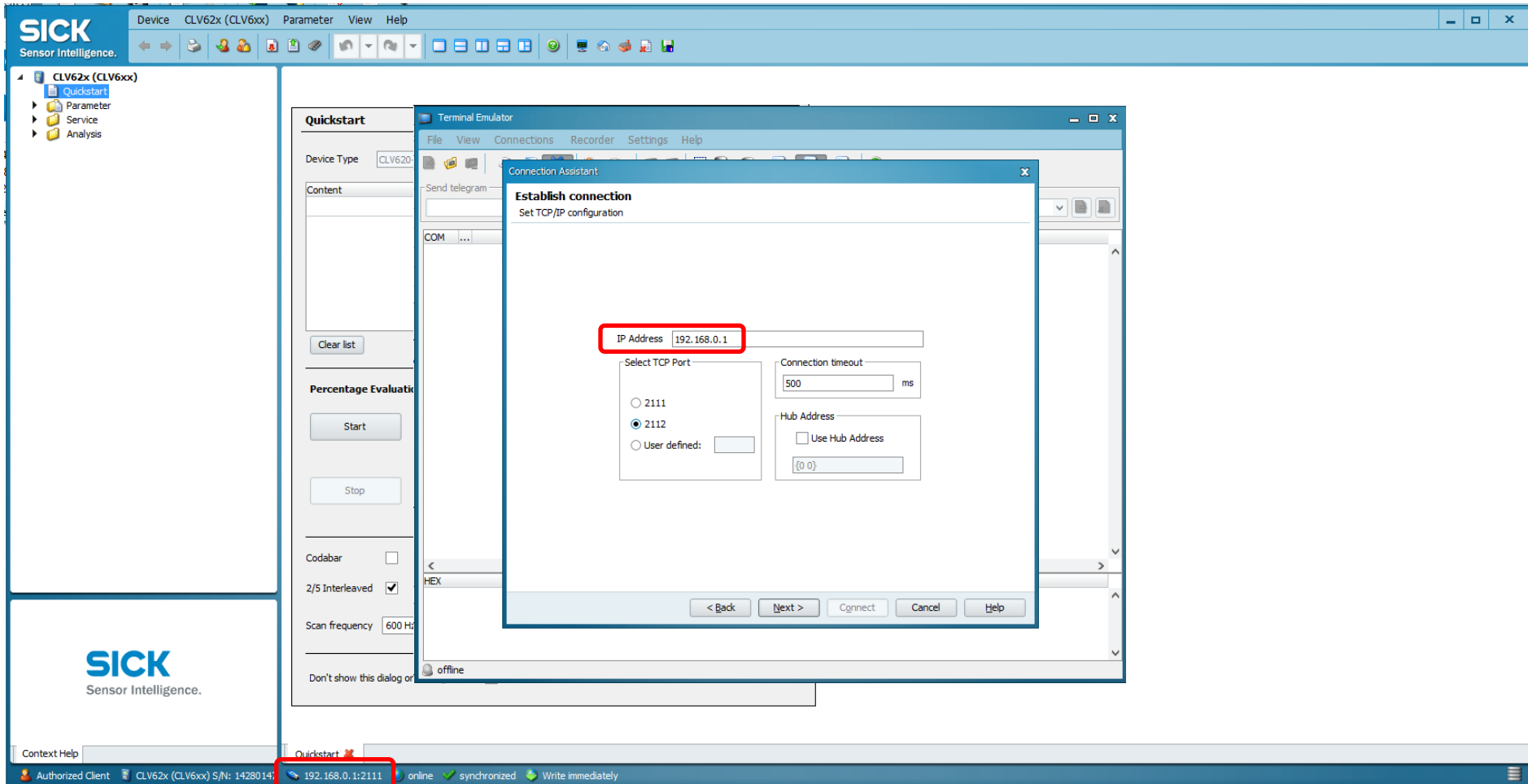
Click on Terminal Icon and select “User defined connections.”



# Select communication protocol.



In this example we have chosen Ethernet TCP/IP.  
Make sure your IP Address matches your scanner and select the 2112 Port (Host).



Select "Show all logged data" and set Line break characters. When the terminal sees the selected character it will automatically place the next data message on the next line down. This will make viewing the scanner data easier.

The screenshot shows the SICK software interface with a 'Connection Assistant' dialog box open. The dialog box has the following settings:

- Radio button:  Show all logged data
- Maximum line length: 80
- Line break characters: <03>
- Don't show CoLa telegrams:
- Radio button:  Show CoLa telegrams and framing
- CoLa Dialect: ASCII
- Radio button:  Show only CoLa telegrams
- CoLa Dialect: ASCII
- Addressing Mode: by Index

Below the dialog box is an 'Output Format #1' window with the following configuration:

- If Good read: [Icon]
- For each code: [Icon]
- Else: NoRead

To the right of the main interface is an 'ASCII Chart' table:

Dec	Hex	Char
0	00	NUL
1	01	SOH
2	02	STX
3	03	ETX
4	04	EOT
5	05	ENQ
6	06	ACK
7	07	BEL
8	08	BS
9	09	HT
10	0A	LF
11	0B	VT
12	0C	FF
13	0D	CR

A red box highlights the row for 'ETX' (Dec 3, Hex 03) in the ASCII Chart, and a red arrow points from this row to the 'Line break characters' field in the Connection Assistant dialog box. Another red box highlights the 'ETX' button in the 'Output Format #1' window.

Terminal is online.

The screenshot displays the SICK software interface. On the left, a sidebar shows a tree view with 'CLV62x (CLV6xx)' selected, containing sub-items: 'Quickstart', 'Parameter', 'Service', and 'Analysis'. The main window has a menu bar with 'Device', 'CLV62x (CLV6xx)', 'Parameter', 'View', and 'Help'. Below the menu bar is a toolbar with various icons. The central area is divided into two panes. The left pane, titled 'Quickstart', contains a 'Device Type' dropdown set to 'CLV620', a 'Content' text area, a 'Clear list' button, a 'Percentage Evaluation' section with 'Start' and 'Stop' buttons, a 'Codabar' checkbox, a '2/5 Interleaved' checkbox (checked), a 'Scan frequency' dropdown set to '600 Hz', and a 'Don't show this dialog' checkbox. The right pane is a 'Terminal Emulator' window with its own menu bar ('File', 'View', 'Connections', 'Recorder', 'Settings', 'Help') and toolbar. It features a 'Send telegram' field with '<STX>' and '<ETX>' dropdowns. The main terminal area shows a green status icon and the text 'COM Data' and 'Device connected: 192.168.0.1:2112', which is highlighted with a red rectangle. Below the terminal area are 'HEX' and 'ASCII' tabs. At the bottom of the terminal window, a status bar shows 'online' and '192.168.0.1:2112', also highlighted with a red rectangle. The bottom status bar of the main application shows 'Authorized Client', 'CLV62x (CLV6xx) S/N: 14280147', '192.168.0.1:2111', 'online', 'synchronized', and 'Write immediately'. The SICK logo and 'Sensor Intelligence.' are visible in the bottom left corner of the interface.

Bring up both terminals on screen to evaluate data.

The screenshot displays the SICK software interface with two Terminal Emulator windows open. The main window at the top shows the device 'CLV62x (CLV6xx)' and various menu options. The left Terminal Emulator window shows a 'Send telegram' field and a 'COM Data' section with the following text:

```

Device connected: 192.168.0.1:2111
<STX><CR><LF>II=266ms OIL=0mm CC=1 OI=6<CR><LF>SICK<CR><LF> C39 89% ST=0 RA=47 CL=4 CS=117 DIR=0 OD=175 FC=0<CR><LF><CR><LF><ETX>
<STX><CR><LF>II=274ms OIL=0mm CC=1 OI=7<CR><LF>SICK<CR><LF> C39 83% ST=0 RA=47 CL=4 CS=119 DIR=0 OD=175 FC=0<CR><LF><CR><LF><ETX>
<STX><CR><LF>II=298ms OIL=0mm CC=1 OI=8<CR><LF>SICK<CR><LF> C39 76% ST=0 RA=47 CL=4 CS=134 DIR=0 OD=175 FC=0<CR><LF><CR><LF><ETX>
<STX><CR><LF>II=253ms OIL=0mm CC=1 OI=9<CR><LF>SICK<CR><LF> C39 77% ST=0 RA=47 CL=4 CS=114 DIR=0 OD=175 FC=0<CR><LF><CR><LF><ETX>
<STX><CR><LF>II=211ms OIL=0mm CC=1 OI=10<CR><LF>SICK<CR><LF> C39 84% ST=0 RA=47 CL=4 CS=101 DIR=0 OD=175 FC=0<CR><LF><CR><LF><ETX>
  
```

The right Terminal Emulator window shows a 'Send telegram' field with '<STX>' and '<ETX>' buttons, and a 'COM Data' section with the following text:

```

Device connected: 192.168.0.1:2112
<STX>SICK<ETX>
<STX>SICK<ETX>
<STX>SICK<ETX>
<STX>SICK<ETX>
<STX>SICK<ETX>
  
```

At the bottom of the interface, there is a status bar showing 'Authorized Client', 'CLV62x (CLV6xx) S/N: 14280147', '192.168.0.1:2111', 'online', 'synchronized', and 'Write immediately'.

MANY THANKS FOR YOUR  
ATTENTION.

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