

H & B

Quality Electronics for
Industrial Weighing

Presenting

DAD 141.1 – Connection to the LAN

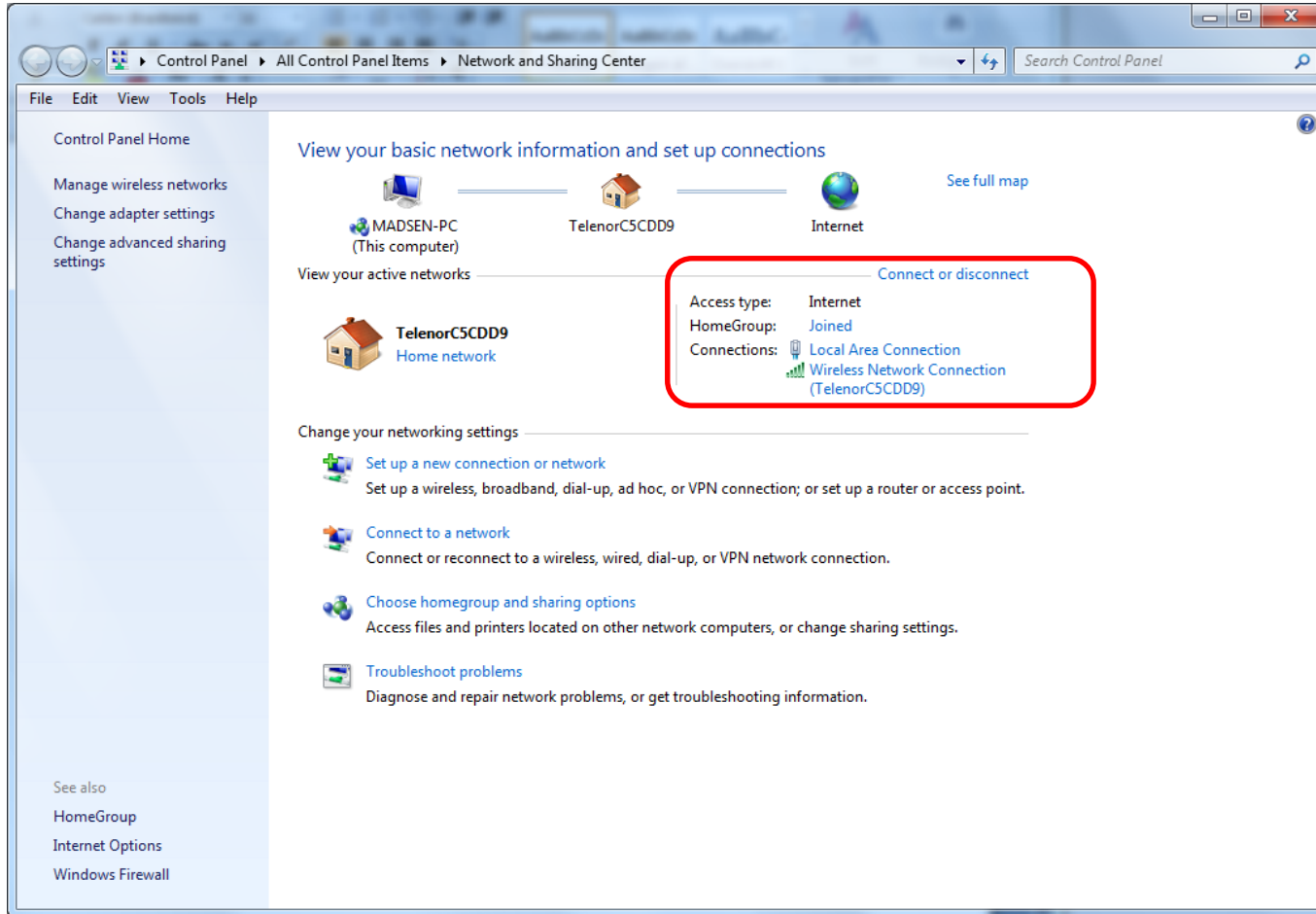
Factory default TCP/IP address is: **192.168.0.100**

- The LAN address range must be for **AAA.BBB.CCC.xxx** in the same range for PC **and** DAD 141.1
 1. You can adjust the LAN address to DAD 141.1 default
 2. Or adjust the DAD 141.1 address to LAN

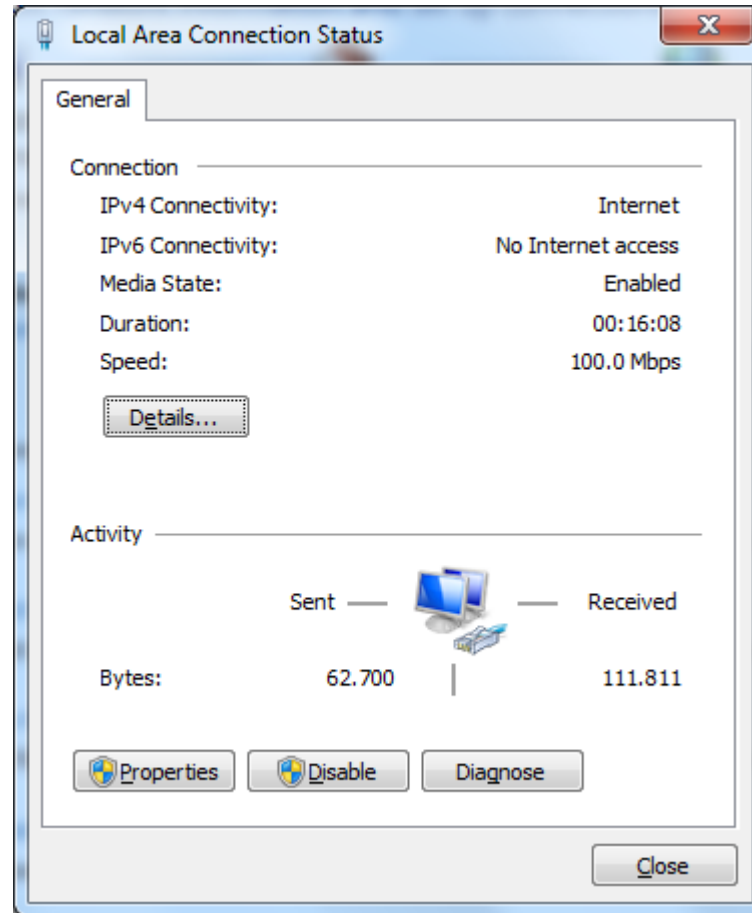
1. Adjust LAN of PC network

- ✓ ... in only 15 seconds
- ✓ Stop / Finish WIFI - if enabled
- ✓ Connect the LAN cable to DAD 141.1 and PC / Notebook
- ✓ Right mouse click on LAN icon (task bar right)
- ✓ Double click on Ethernet (for LAN setup)
- ✓ ... the next steps show how to adjust the address

Adjust LAN Address - Step 1

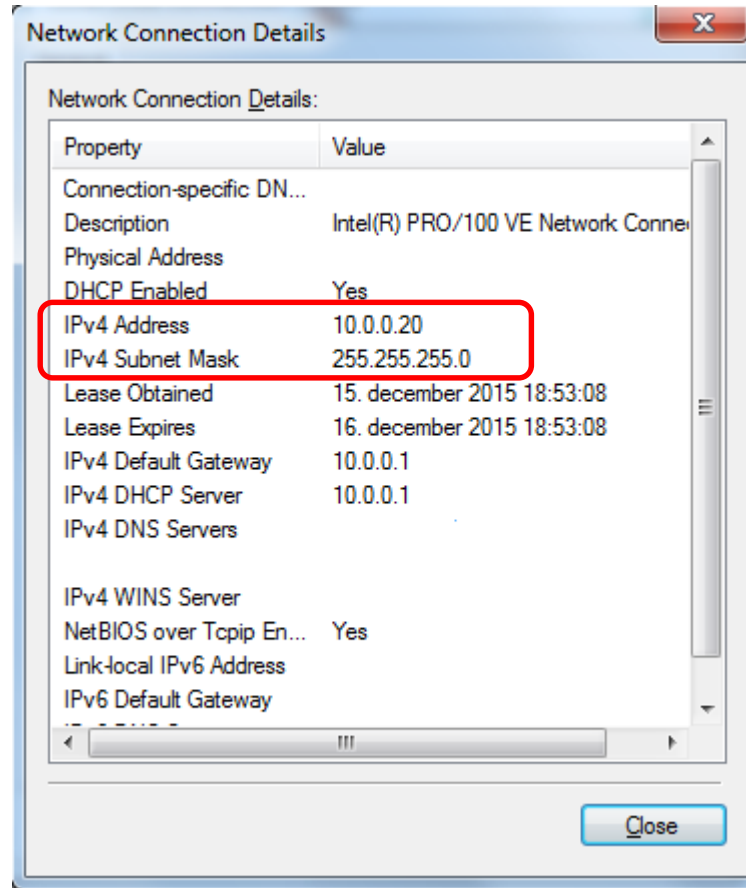


LAN Connection Status - Step 2



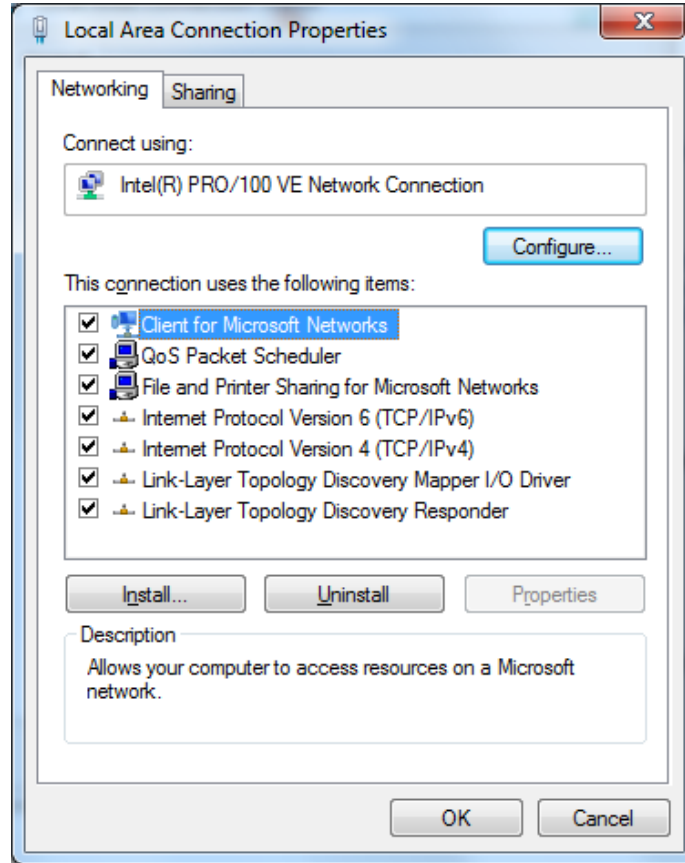
... click on Details...

Network Connection Details - Step 3



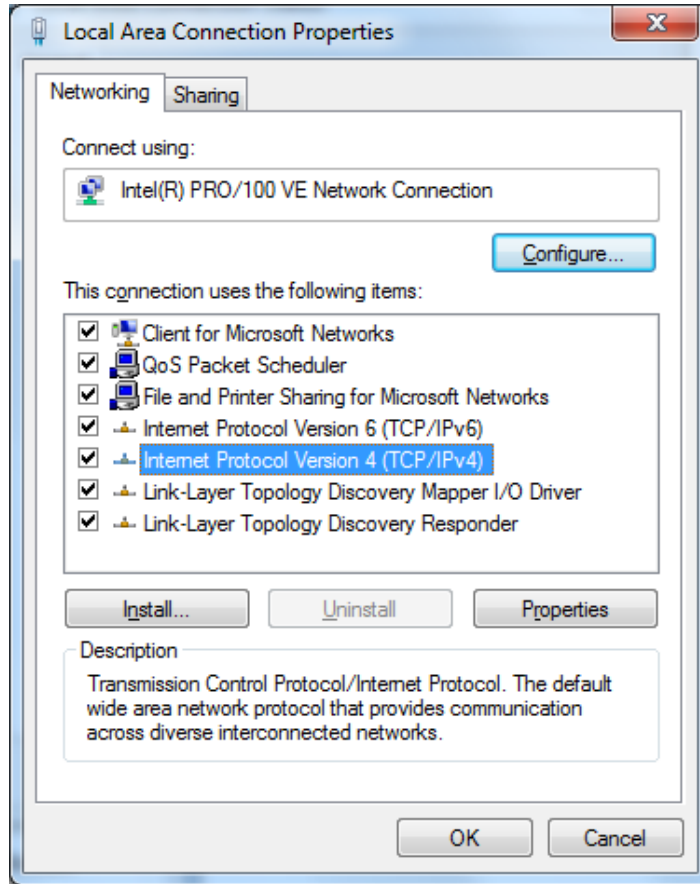
... see the IPv4 Address
and Close again

LAN Connection Properties - Step 4



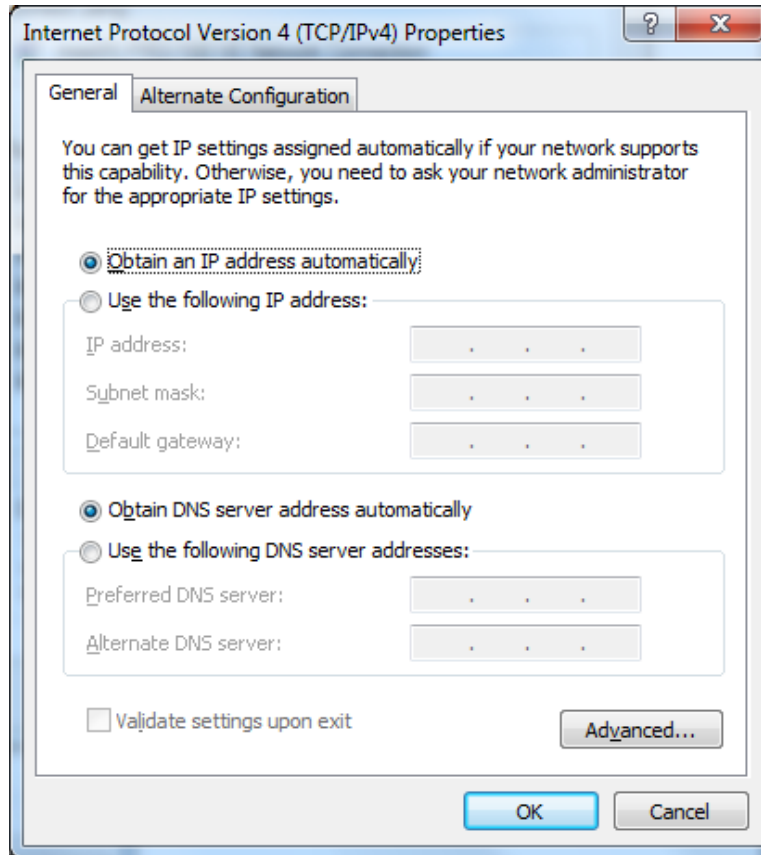
... scroll down to TCP/IPv4

Connection Properties: choose TCP/IPv4 - Step 5



... double click on TCP/IPv4

Status IP Version 4 - Step 6



... IP address automatically
must be change to ...

Setup IP Address - Step 7

Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

Obtain an IP address automatically

Use the following IP address:

IP address: 192 . 168 . 0 . 99

Subnet mask: 255 . 255 . 255 . 0

Default gateway: 192 . 168 . 0 . 1

Obtain DNS server address automatically

Use the following DNS server addresses:

Preferred DNS server: . . .

Alternate DNS server: . . .

Validate settings upon exit

Advanced...

OK Cancel

... use the following IP address

Setup
- IP address,
- subnet mask,
- gateway

... and confirm with OK

DOP 4 – Test Device For LAN

DOP 4 version 1.7.2.0

Channel 1 Channel 2 Channel 3 Channel 4

Commands View

Scp. Clear

Scope

Net Weight

190.0
185.0
180.0
175.0
170.0
165.0
160.0
155.0
150.0
145.0
140.0
135.0
130.0
125.0
120.0

0 100 200 300 400 500 600 700 800 900 1000

Sample Time (ms)

Device Selector

Selected Devices

Index	Device Name	Id	Version	Hardware	Port Name	Baud Rate	Address / IP	Sub Addr.
01	DAD141	1410	0111	Serial COM	COM3	115200		0

Reload 'Selected Devices' at DOP 4 startup

Select Device

Hardware: Serial LAN

Port / Bus: 23

Baud Rate:

Address / IP: 192.168.0.100

Sub Address: 0

Device: DAD141 with Id: 1410 found.

Test Device Select Device

Find Baud Rate Init Sys 80 COM

Selected Channels

Channel	Device Index	Device Name	Device Id
01	01	DAD141	1410

Reload 'Selected Channels' at DOP 4 startup

Data Stream Net Weight: 0

Start Test Stream

Remove Device

Set to Channel 1

Set to Channel 2

Set to Channel 3

Set to Channel 4

Remove Channel

Commands View

Terminal View

Advanced Search General Configurations Exit

Device Selector

Storage

About

Exit

PopUp

Thin Lines

Dots

190

1000

1

Auto Wait

Rising

50

Clear All

DOP 4 – Select Device For LAN

The screenshot shows the DOP 4 version 1.7.2.0 software interface. A 'Device Selector' dialog box is open, displaying a table of selected devices and a section for selecting a device and channel.

Selected Devices Table:

Index	Device Name	Id	Version	Hardware	Port Name	Baud Rate	Address / IP	Sub Addr.
01	DAD141	1410	0111	Serial COM	COM3	115200		0
02	DAD141	1410	0110	Serial LAN	23		192.168.0.100	0

Reload 'Selected Devices' at DOP 4 startup

Select Device Section:

Hardware: Serial LAN (dropdown)
Port / Bus: 23 (text field)
Baud Rate: (dropdown)
Address / IP: 192.168.0.100 (text field)
Sub Address: 0 (dropdown)

Device: DAD141 with Id: 1410 found. (highlighted green)

Buttons: Test Device, Select Device, Find Baud Rate, Init Sys 80 COM

Selected Channels Table:

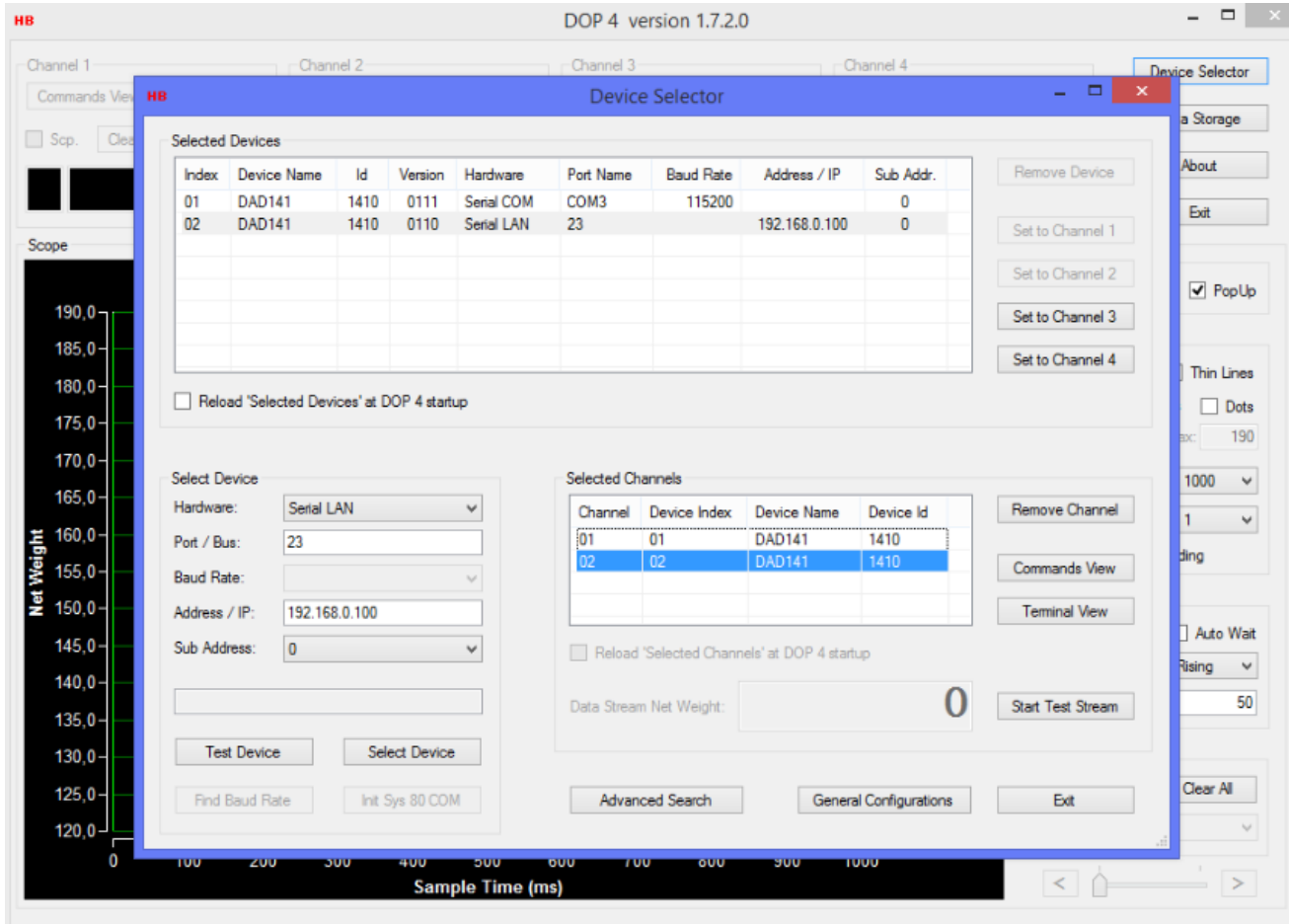
Channel	Device Index	Device Name	Device Id
01	01	DAD141	1410

Reload 'Selected Channels' at DOP 4 startup

Data Stream Net Weight: 0 (text field)

Buttons: Remove Device, Set to Channel 1-4, Remove Channel, Commands View, Terminal View, Start Test Stream, Advanced Search, General Configurations, Exit

DOP 4 – Set Device To Channel 2



The screenshot displays the DOP 4 version 1.7.2.0 software interface. A 'Device Selector' dialog box is open, showing a table of selected devices and a table of selected channels. The background shows a graph of Net Weight vs Sample Time (ms).

Selected Devices Table:

Index	Device Name	Id	Version	Hardware	Port Name	Baud Rate	Address / IP	Sub Addr.
01	DAD141	1410	0111	Serial COM	COM3	115200		0
02	DAD141	1410	0110	Serial LAN	23		192.168.0.100	0

Reload 'Selected Devices' at DOP 4 startup

Select Device Form:

Hardware: Serial LAN
Port / Bus: 23
Baud Rate: [Dropdown]
Address / IP: 192.168.0.100
Sub Address: 0

Buttons: Test Device, Select Device, Find Baud Rate, Init Sys 80 COM

Selected Channels Table:

Channel	Device Index	Device Name	Device Id
01	01	DAD141	1410
02	02	DAD141	1410

Reload 'Selected Channels' at DOP 4 startup

Data Stream Net Weight: 0

Buttons: Remove Channel, Commands View, Terminal View, Start Test Stream

Buttons: Advanced Search, General Configurations, Exit

DOP 4 – Start Test Stream Channel 1 & 2

The screenshot shows the DOP 4 version 1.7.2.0 software interface. A 'Device Selector' dialog box is open, displaying a table of selected devices and channels. The 'Data Stream Net Weight' is set to 1000, highlighted in green.

Selected Devices

Index	Device Name	Id	Version	Hardware	Port Name	Baud Rate	Address / IP	Sub Addr.
01	DAD141	1410	0111	Serial COM	COM3	115200		0
02	DAD141	1410	0110	Serial LAN	23		192.168.0.100	0

Reload 'Selected Devices' at DOP 4 startup

Select Device

Hardware: Serial LAN
Port / Bus: 23
Baud Rate: [dropdown]
Address / IP: 192.168.0.100
Sub Address: 0

Test Stream Started [text box]

Test Device [button] Select Device [button]

Find Baud Rate [button] Init Sys 80 COM [button]

Selected Channels

Channel	Device Index	Device Name	Device Id
01	01	DAD141	1410
02	02	DAD141	1410

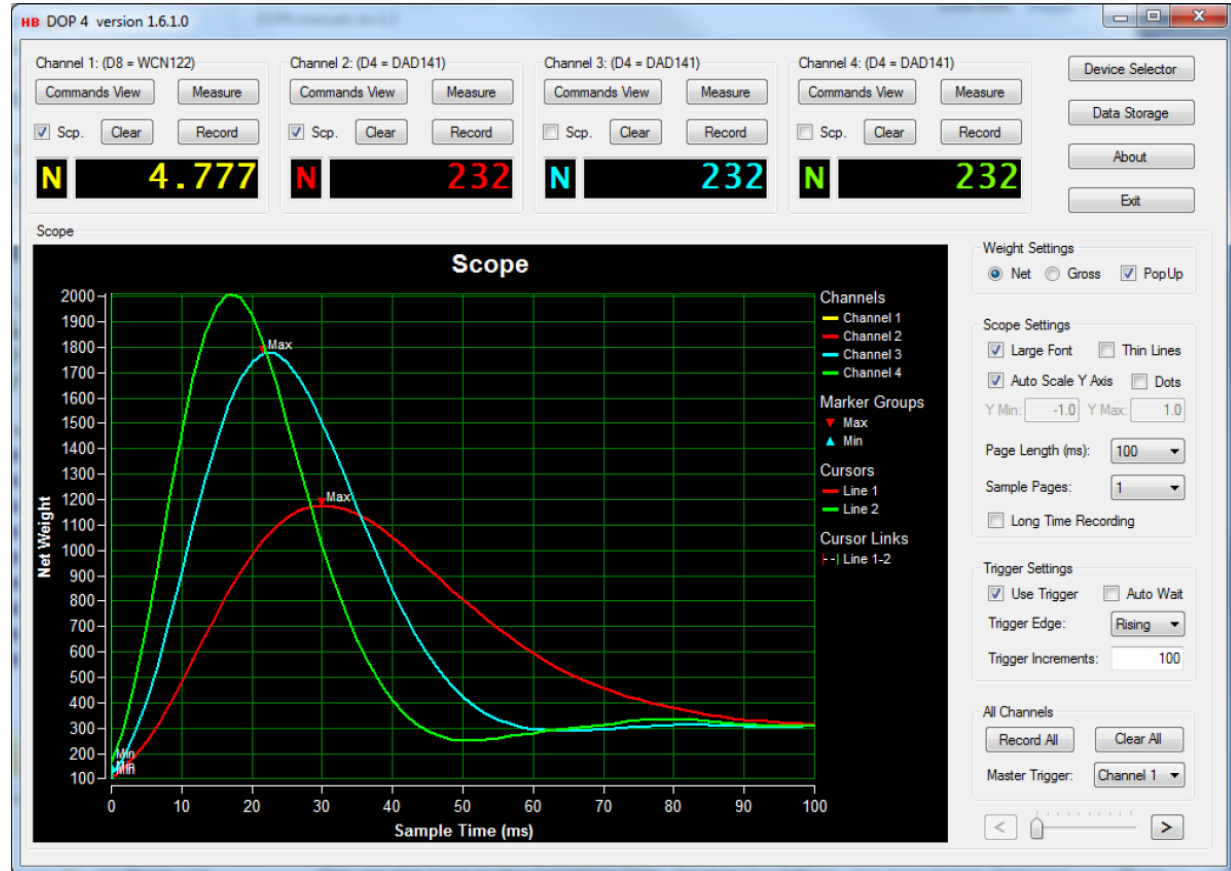
Reload 'Selected Channels' at DOP 4 startup

Data Stream Net Weight: 1000

Stop Test Stream [button]

Advanced Search [button] General Configurations [button] Exit [button]

DOP 4 – Ready For Measurements



2. Or Adjust the DAD 141.1 Address to the LAN

In DAD 141.1 Menu 8: Data Communication

➤ Sub-Menu 8.6: IP Address of Ethernet port

- In decimal notation per 3 characters

- Factory default: **192.168.0.100**

8.6.x	Example for factory default - AAA.BBB.CCC.DDD		
8.6.1	AAA		000192
8.6.2	BBB		000168
8.6.3	CCC		000000
8.6.4	DDD		000100