Installing and Using the BootP Service from OpenLAB Support and Utilities Disc

BootP Installation

The BootP Service is provided with the OpenLAB CDS Chemstation **Support and Utilities Disc** Install by running "**BootP****BootPPackage**"



Follow all of the Installation Screens accepting default parameters

When the Installation is complete you will see this screen....

BootP Settings		х
BootP Tab File:		
C:\ProgramData\Agilent\BootP\TabFile		
Create Tab File Edit BootP Addresses		
Logging Do you want to log bootP requests? BootP Log File:	 	
C:\ProgramData\Agilent\BootP\LogFile	 	
C Default Settings		
Subnet mask: 0 . 0 . 0 . 0		
Gateway: 0.0.0.0		
OK	Help	

NOTES:

- The BootP Service is not "Started" yet
- Make selections for "Logging BootP Requests" and "Default settings" before Creating the "Tab File" if these are changed you must re-Create the Tab File
- The Directory C:\Program Data\Agilent\BootP is a hidden directory in Windows 7 to see it you must set "Folder Options" to "Show Hidden Files"

Create a BootP Tab File

This procedure **does not use "Logging BootP Requests**" – the **Jet Direct Card MAC address** must be read off of the card and **entered manually** into the "**Add BootP Entry**" Table.

The procedure for "Logging BootP Requests" is at the end of the document.

1. Select "Create Tab File" – answer "YES" to overwrite - Very Important

BootP Settings	
BootP Tab File:	
C:\ProgramData\Agilent\E	RootP\TabFile
Create Tab File	Edit BootP Addresses
_ Logging	BootP Settings 🛛
Do you want to log t BootP Log File: C:\ProgramData\Agilen	This file already exists. Do you want to overwrite the file?
Default Settings	Yes No
Subnet mask:	0.0.0.
Gateway:	0.0.0.
	OK Cancel Help

2. Select "OK"

BootP Settings	
BootP Tab File:	
C:\ProgramData\Agilent\BootP\TabFile	
Create Tab File Edit BootP Addresses	
Logging	BootP Settings
Do you want to log bootP requests? BootP Log File: C:\ProgramData\Agilent\BootP\LogFile	. Template created
Default Settings Subnet mask: 0.0.0.0	ОК
Gateway: 0 . 0 . 0	
	OK Cancel Help

Create a BootP Entry for your Instrument Jet Direct Card

- 1. Select "Edit BootP Addresses"
- 2. Read the MAC address from your Jet Direct Card and enter it into the table ACCURATELY!



(To get the MAC address from the BootP "Logfile", refer to the next Procedure)

- 1. Enter a **Host Name required field -** it must start with an "Alpha" character.
- 2. Enter the **IP Address, Subnet Mask and Gateway** as required

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(BootP Service has still not been "Started")

4. Check the Table Entry for Accuracy

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5. Select "Close" then "OK" to Close and save "BootP Settings"

Using BootP to set the Instrument IP Address

1. Start the BootP Service from PC "Services" (Or Re-boot the PC)



- 2. Confirm correct Jet Direct Card configuration switches for BootP configuration.
- 3. Connect the Instrument Jet Direct Card to the PC with a Crossover Cable (or Network)
- 4. Set the PC "TCP/IP" properties to appropriate IP Address, Subnet Mask etc.
- 5. Turn on the Instrument and confirm network hardware connection.



Once the Instrument Self-Test is completed, the Jet direct card "broadcasts" the MAC address. The PC running BootP receives it and checks the "Tab file" for a match. If the MAC address matches, BootP will issue the IP settings back to the Jet Direct Card.

6. Confirm by running "**PING**" from the DOS Command Prompt



Using the "BootP Logfile" to get the Jet Direct MAC address

- 1. Stop the BootP Service from the PC "Services"
- 2. Open "Edit BootP Settings"
- 3. Select Logging: "Do you want to log BootP requests"
- 4. Select "**OK**"

BootP Settings	
BootP Tab File:	
C:\ProgramData\Agilent	BootP\TabFile
Create Tab File	Edit BootP Addresses
-Logging	
Do you want to log BootP Log File:	bootP requests?
Ju: Verogramb ata vagile	II VP 00(L. VF 02Line
Default Settings	
Subnet mask:	0.0.0.0
Gateway:	0.0.0.0
	OK Cancel Help

- 5. Select "Create Tab File" and Overwrite the old Tab File
- 6. Select "OK"
- 7. Restart the BootP Service
- 8. Power on the Instrument Complete the Self Test
- 9. Navigate to the BootP "Logfile" C:\ProgramData\Agilent\BootP\Logfile

NOTE: this is a hidden directory to see it you must set "**Folder Options**" to "**Show Hidden Files**"

10. Open the File with "Wordpad". (Notepad doesn't show individual line-feeds)

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Home	View
Paste Clipboard	Courier New • 11 • A · A · • • • • • • • • • • • • • • • • • • •
1111111	· Z···································
	04/10/13 14:47:16 PM Status: BOOTP Request received at outer most layer Status: BOOTP Request received from hardware address: 0030D30D82C0 Error: Hardware address not found in BOOTPTAB 0030D30D82C0 Status: BOOTP Request finished processing at outer most layer

The MAC adress is in the BootP Entry

NOTE: When complete **turn off logging** in "BootP Settings" to prevent the logfile from getting "HUGE" - especially if the PC is on a Site Network connection.