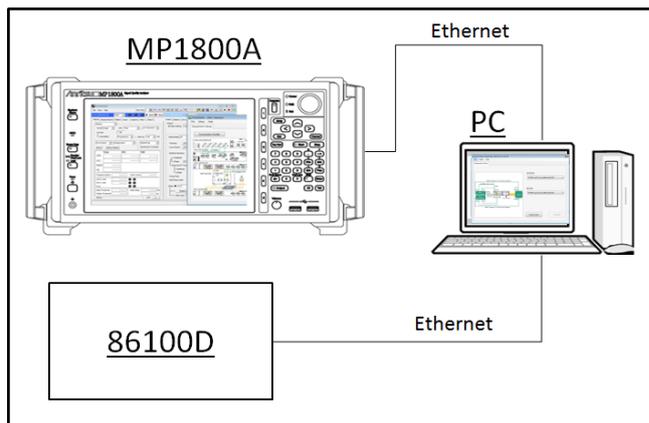
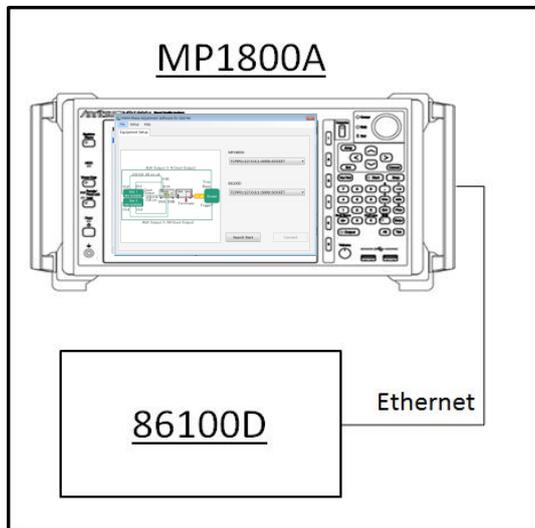


1. Install PAM4 Phase Adjustment Software for G0374A.

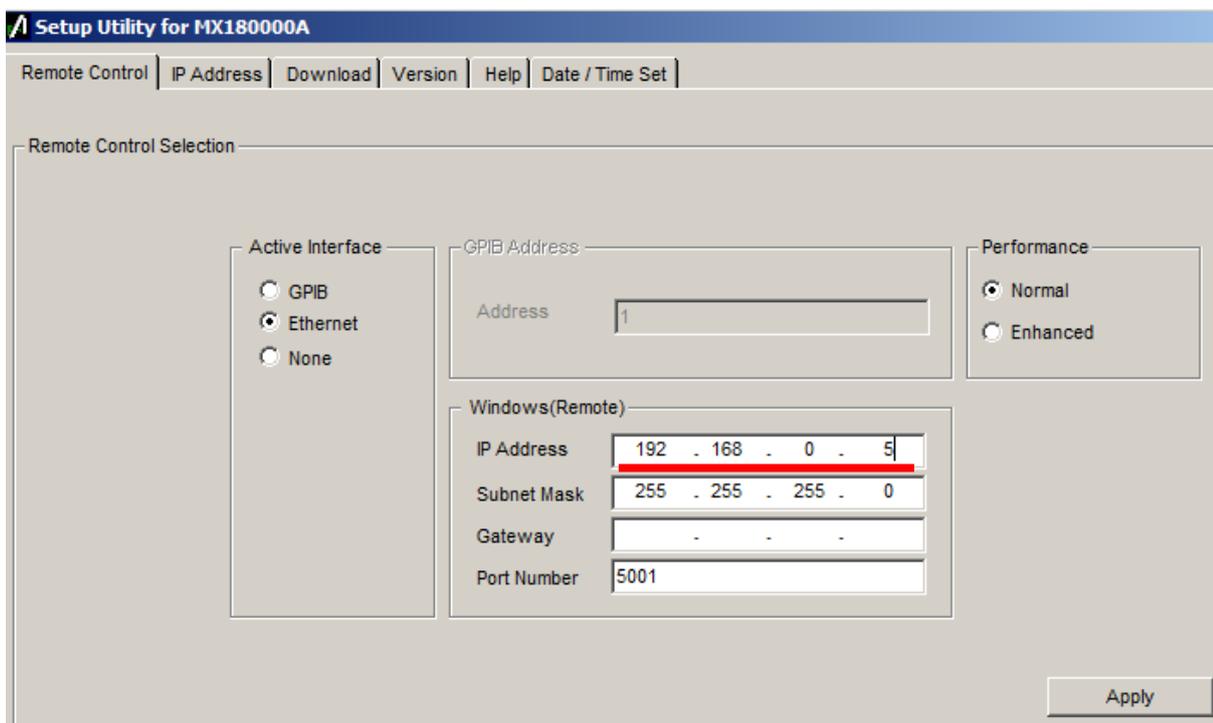
This software only supports Windows 7; it does not run under Windows XP. Confirm the OS version before installing.

[Case 1]: Installing in MP1800A

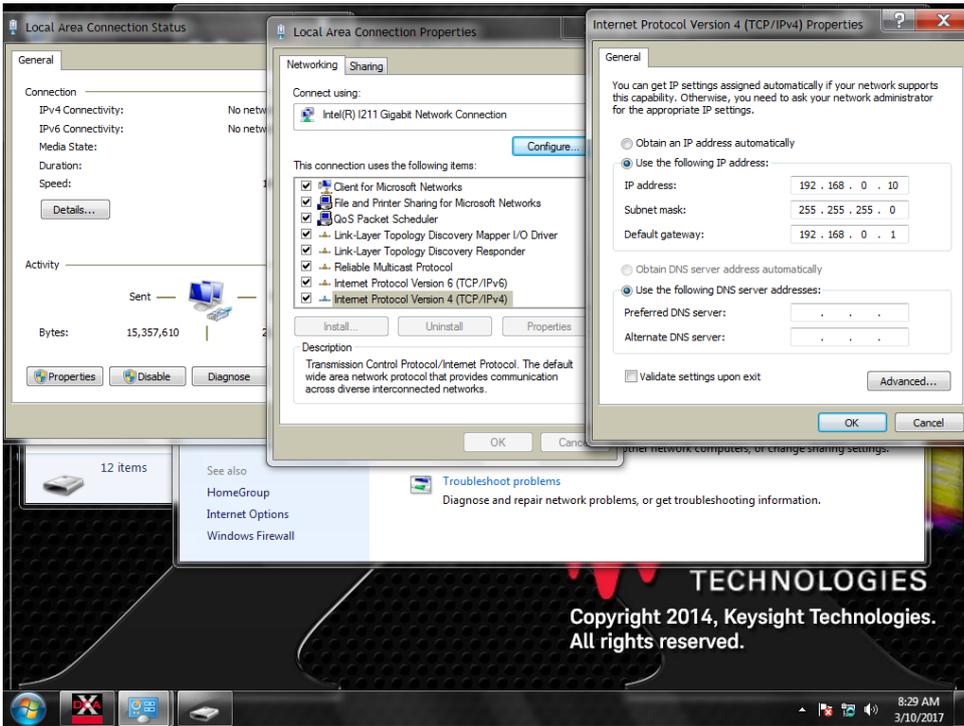
[Case 2]: Installing in PC



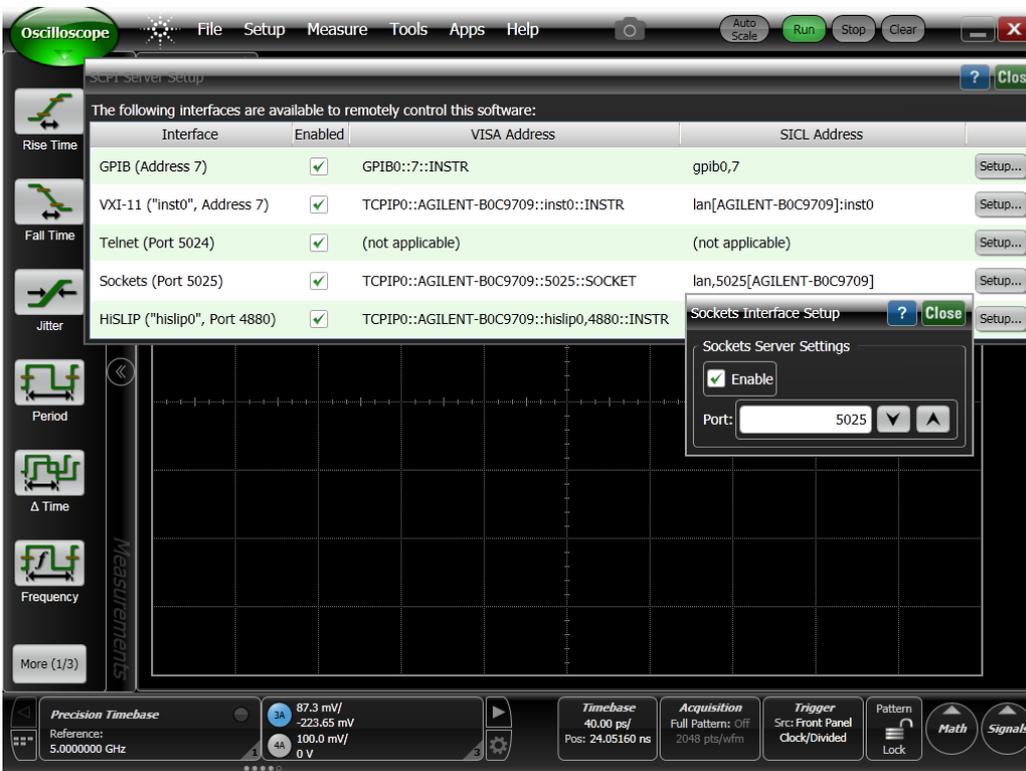
2. Set the MP1800A IP address to 192.168.xx.yy (where xx and yy can be any number less than 254). Set Subnet Mask to 255.255.255.0.



- Set the 86100D IP address to 192.168.xx.zz (where xx is the same number as set in step II and zz is any number less than 254 but not the same number as yy set in step II).  
Set Subnet Mask to 255.255.255.0.



Start the FlexDCA software and select Tools > SCPI Programming Tools > SCPI Server Setup.  
Set the port number for the oscilloscope control software. The default is 5025.



4. Install the NI-VISA software.

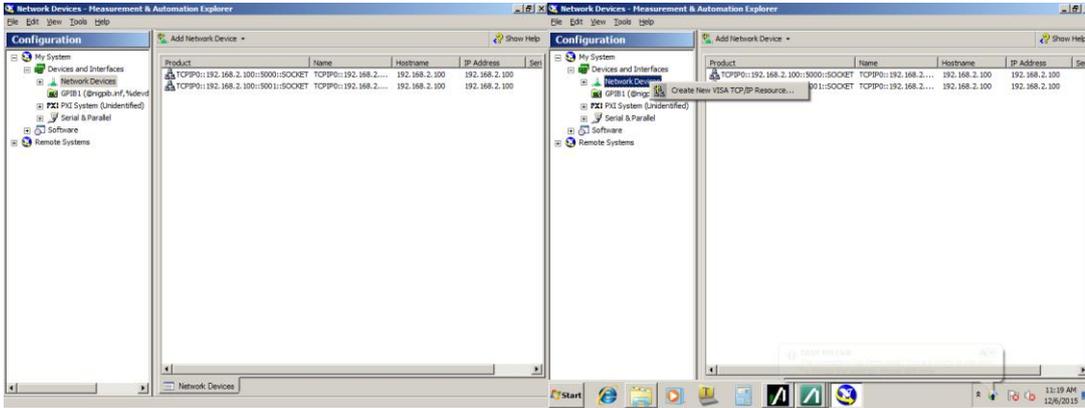
[Case 1] Install NI-VISA 4.6.2 in MP1800A.

[Case 2] Install NI-VISA 4.6.2 in PC.

Download the NI-VISA software from the following URL.

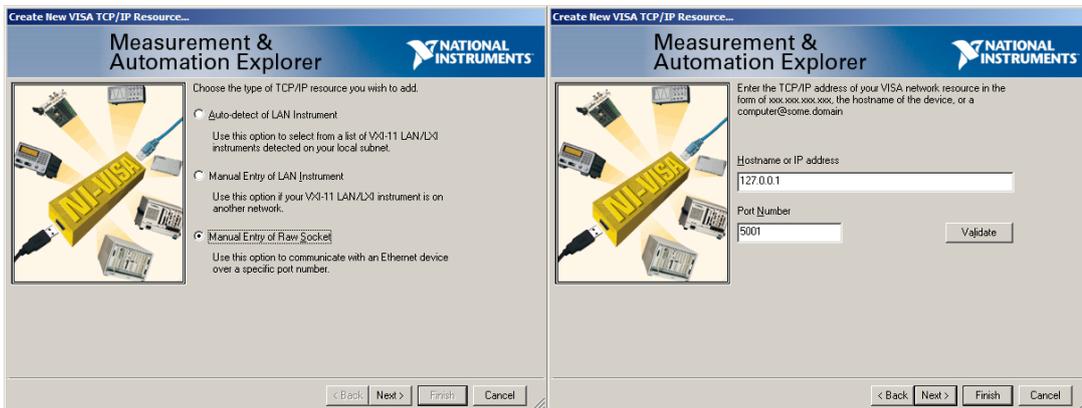
<http://www.ni.com/download>

5. Add a Network Device.



1. Start NI-Measurement&Automation Explorer.

2. Right-click [Network Devices] and click [Create New VISA TCP/IP Resource...].



3. Select [Manual Entry of Raw Socket] and click [Next >].

4. Input the following values for Hostname or IP address, and Port Number and click [Next >].

	MP1800A		86100D	
	IP Address	Port	IP Address	Port
Case 1	127.0.0.1 or 192.168.xx.yy	5001*	192.168.xx.zz	5025**
Case 2	192.168.xx.yy	5001*	192.168.xx.zz	5025**

\*The MX180000A default Port is 5001.

\*\*The 86100D control software default Port is 5025.

6. Set the target instruments.

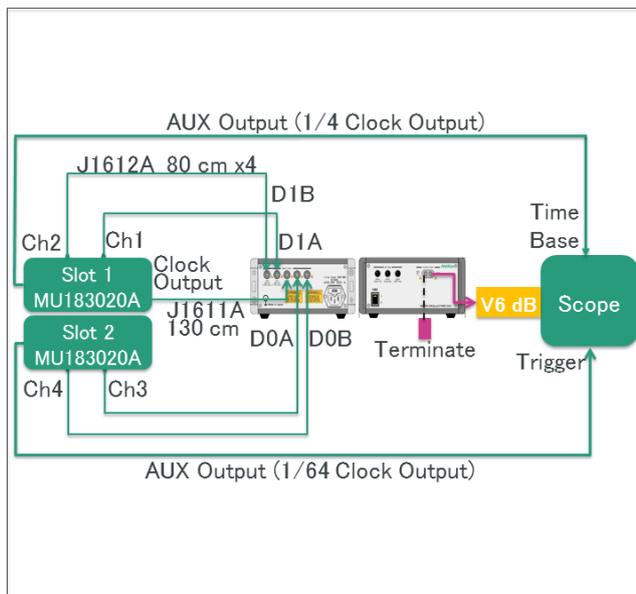
- 86100D DCA-X  
70 GHz Sampling Module (Slot 2: CH3/4) ... Use CH3
- MP1800A

The required module settings for the MP1800A is limited as listed below.

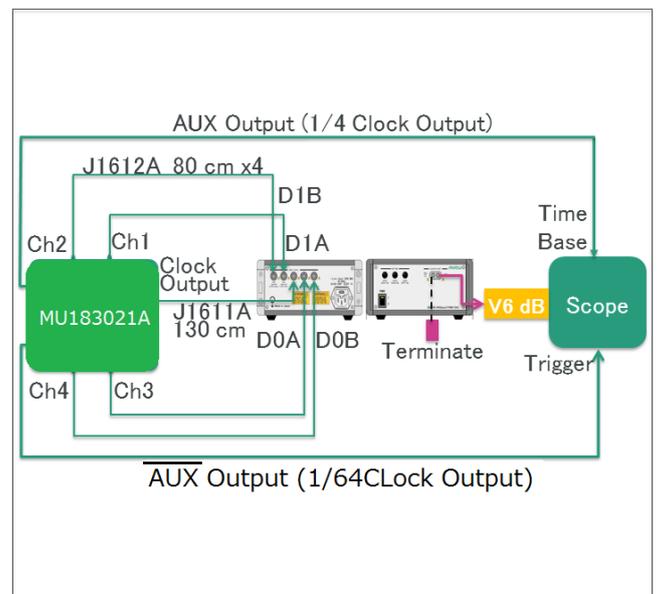
Slot No.	Module
Slot 1	MU183020A
Slot 2	MU183020A
Slot 3	None/MU183040A/B/MU181500B
Slot 4	None/MU183040A/B/MU181500B
Slot 5	MU181000A/B
Slot 6	MU181000A/B

7. Connect the instruments.

Connect the MP1800A and 86100D as shown in the following diagram.

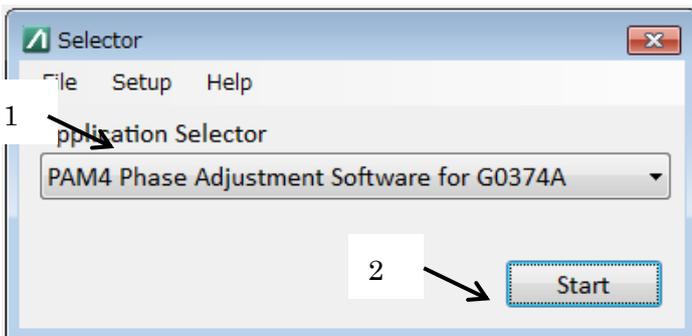


MU183020A Connections



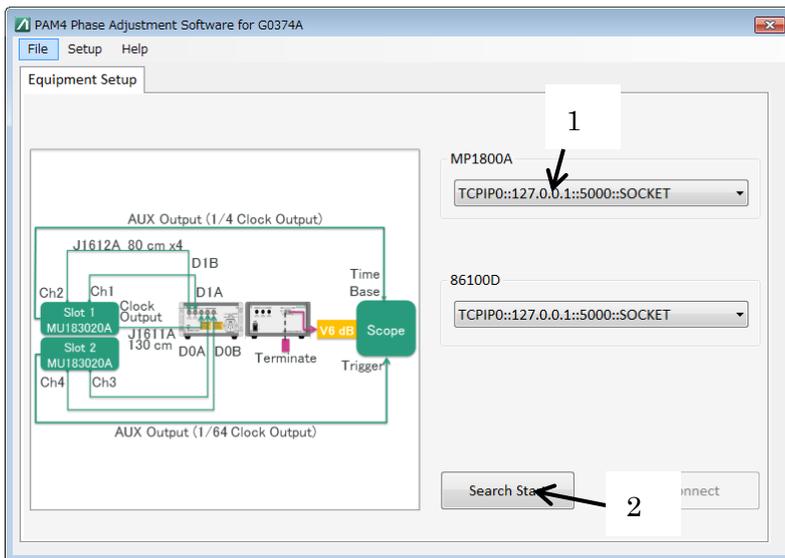
MU183021A Connections

8. Run the PAM4 Phase Adjustment Software for G0374A.



1. Select PAM4 Phase Adjustment Software for G0374A at Application Selector.
2. Click [Start].

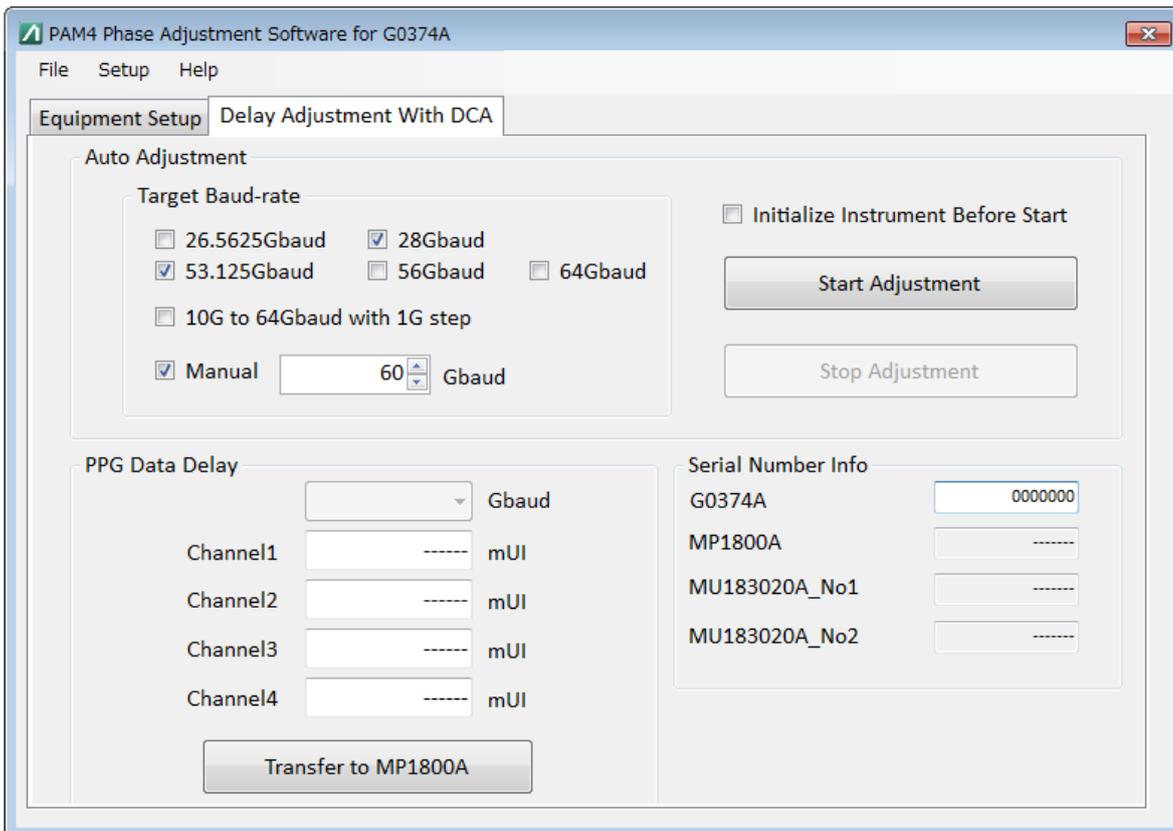
## 9. Set Network Device (Equipment Setup).



1. Select the network device created in step V.
2. Click [Search Start] and then click [Connect].

## 10. Set a checkmark in the Target Baud-rate and click [Start Adjustment].

The software starts phase adjustment.



### 11. Display the Adjustment Result.

Click [Transfer to MP1800A] to set the bit rate and adjusted delay at the MP1800A.

The screenshot shows a software interface for 'Auto Adjustment'. It is divided into several sections:

- Target Baud-rate:** Contains radio buttons for 26.5625Gbaud, 28Gbaud, 53.125Gbaud, 56Gbaud, 64Gbaud, 10G to 64Gbaud with 1G step, and Manual. A manual input field shows '0' Gbaud.
- Initialize Instrument Before Start:** A checkbox that is currently unchecked.
- Start/Stop:** Two buttons for starting and stopping the process.
- PPG Data Delay:** A dropdown menu set to '26.5625' Gbaud, and four input fields for Channel1 (-332 mUI), Channel2 (-334 mUI), Channel3 (-300 mUI), and Channel4 (-310 mUI).
- Serial Number Info:** Fields for G0374A, MP1800A, MU183020A\_No1, and MU183020A\_No2.
- Transfer to MP1800A:** A button at the bottom left, highlighted with a red rectangle.