

PIM31 Remote Setup and Operational Procedures

1 Remote Application and TCP/IP Setup

PIM31 Remote Control Panel is the software to control the PIM31 unit from any PC using a TCP/IP cable connection. This section explains how to setup the PIM31 unit for TCP/IP from any PC and also the use of the remote application. The software can be downloaded from the Boonton official website under Products “Manuals & Software”.

1.1 Installation and connection setup for remote control:

1.1.1 Install PIM31 Remote Software

- Download the PIM31 Remote Control software from Boonton’s official website under product’s “Manuals & Software” section
- Follow screen instructions during the installation process
- Click on “Remote_ctr_V1.2.exe” icon from PC’s desktop to open the software.

1.1.2 Known issues that might occur during installation on Windows OS:

Error message as “Component MSWINSCK.OCX or one of its dependencies not correctly registered: a file missing or invalid”.

If you do not see this message continue with 9.1.3

Solution:

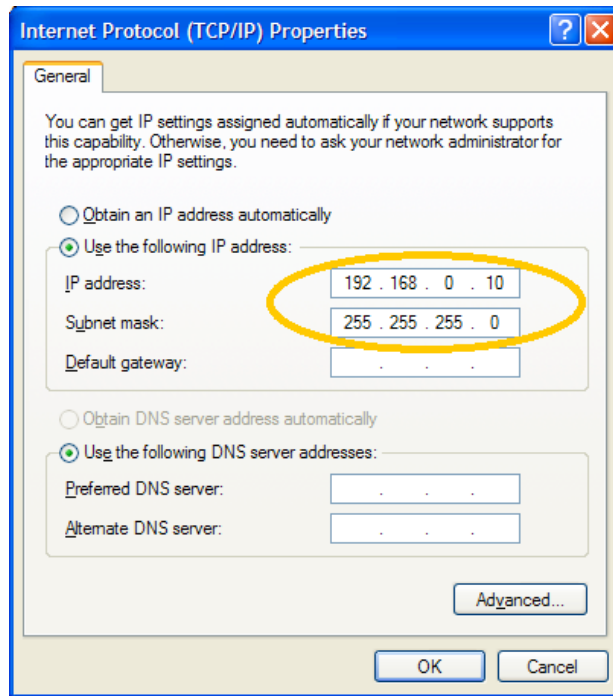
- Search internet or other computers for the missing windows system file “MSWINSCK.OCX”,
- Download and save that file into your PC under any folder
- Copy the file into Windows System32 folder
C:/Windows/System32/
- Click the executable file “Remote_ctr_V1.2.exe” again

1.1.3 Setting IP address of PIM31

- Go to the “Control Panel” of the PIM31’s desktop screen and open the “Network Connections” icon.
- Right click the “Local Area Connection” icon and open the properties window.
- Select the “Internet Protocol (TCP/IP)” from the list and enter the IP address in

input field.

- Check “Use the following IP address”
- Enter IP Address: **192.168.0.10** (for example)
(The last number can be any number between 0 and 254 but should be higher than that of the PC’s IP address)
- Subnet Mask: **255.255.255.0**



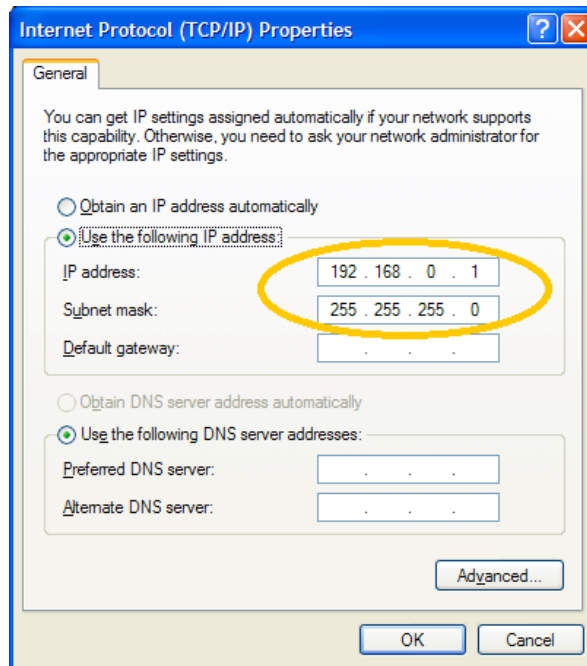
- Press OK button when done

1.1.4 Connecting PIM31 and PC.

Connect the PIM31 unit to a PC with a regular LAN cable (not crossed type).

1.1.5 Setting IP Address of PC

- Go to “Control Panel”, find & open the “Network Connections” icon.
- Right click the “Local Area Connection” and open the properties window.
- Select the “Internet Protocol (TCP/IP)” from the list and enter the IP address in input field.
 1. Enter IP Address: **192.168.0.1** (for example)
(the last number should be lower than the same of PIM31 IP address)
 2. Enter Subnet Mask: **255.255.255.0**
 3. Gateway: (Leave it as blank because it does not affect the operation)



1.1.6 Check the network connection status of PIM31 and PC

The network connection status for both PIM31 and the PC can be verified by following as below:

- a. Tray icon on the status bar.
- b. Check the normal status with clicking the network icon.

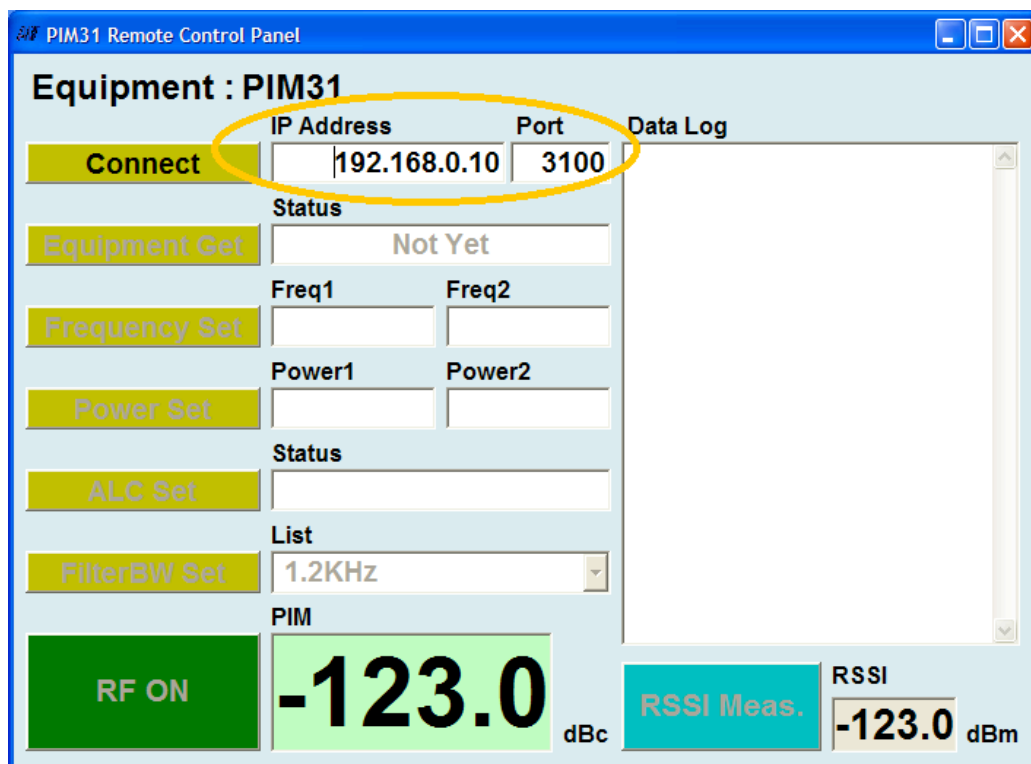
Note: Connecting PIM31 and PC will disconnect Wireless link of the PC.

1.2 Using PIM31 Remote Application:

Before using the remote application the following default settings for both IP address and port number need to be verified.

1.2.1 Enter IP address and Port

- Open the “PIM31 Remote Control” software from desktop
- Verify that the IP Address is same as PIM31:
Default : **192.168.0.10**
- Enter Port **3100**



1. Press “**Connect**” button.
The “**Equipment Get**” buttons is now enabled
2. With proper connection PIM31 should now show “**Remote Control**” on its screen
3. Press “**Equipment Get**” button.
The model is now shown in the Equipment field and the settings of equipment are shown as well.
4. Change settings by overwriting the relevant fields and push “**Set**” button.
5. Pressing “**RF ON**” activates the RF and measurements are done automatically.
6. “**RSSI**” can be pushed while RF is off

1.2.2 List of remote commands

Below are the lists of remote commands which can be executed remotely either by using Telnet or HyperTerminal with a regular type of LAN cable connection to the PIM31 unit. It is recommended to add “\r\n” at the end of each remote command if proprietary applications to execute the following commands are used. This avoids problems to complete the command executions.

Command		Parameter	Return value	Unit	Description
*IDN?			Product, Model		
*RST					
SET	F1	Frequency	1,0	MHz	1: True , 0:False(Out of Range)
	F2	Frequency	1,0	MHz	1: True , 0:False(Out of Range)
	P1	Power	1,0	dBm	1: True , 0:False(Out of Range)
	P2	Power	1,0	dBm	1: True , 0:False(Out of Range)
	ALC	ON, 1	1,0		1: True , 0:False
		OFF,0	1,0		1: True , 0:False
	BW	index	1,0		1: True , 0:False
	RF	ON, 1	1,0		1: True , 0:False
OFF,0		1,0		1: True , 0:False	
GET	STAtus		F1,F2,P1,P2, ALC,BW,RF		
	F1		Frequency	MHz	
	F2		Frequency	MHz	
	P1		Power	dBm	
	P2		Power	dBm	
	ALC		1,0		
	BW		index		
	RF		1,0		
	ERRor		Last Error		Error Log of Last command
	PIM		PIM, Order, IM Frequency		
RSSI		RSSI			