

PRODUCT INTRODUCTION

MG3700A **Vector Signal Generator**

Connection to LAN

ANRITSU CORPORATION

Copyright © 2005 by ANRITSU CORPORATION The contents of this manual shall not be disclosed in any way or reproduced in any media without the express written permission of Anritsu Corporation. This document describes how to connect MG3700A Vector Signal Generator and a PC via LAN. connector of MG3700A is An Ethernet for LAN used

connection.

MG3700A rear panel



[How to connect]



*Please use a hub for 100Base-Tx.

1

[Method 1: Direct connection] 1/4



- 1. Setting of a PC P2 2. Setting of a MG3700A P4

1. Setting of a PC (slightly differs depending on the type of OS)

(a) Network setting

• Open [Network and Dial-up Connections] from [Start] > [Settings] > [Control Panel].



Right-click on [Local Area Connection] and select [Properties].



 Select [Internet Protocol (TCP/IP)] in the [General] tab and click [Properties].



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[Method 1: Direct connection] 2/4

1. Setting of a PC (slightly differs depending on the type of OS)...continued

•	Activate a radio button of [Use the following
	IP address] and enter an arbitrary address in
	the edit box of [IP address].
	The IP address entered here must be different
	from the address of MG3700A that will be
	specified later.
	Also, [Subnet mask] and [Use the following
	DNS server addresses] are set automatically
	in the course of operations above.
	Click [OK] after specifying an IP address.

 Click [OK] in the [Local Area Connection Properties] window.

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.								
Dbtain an IP address automatically								
Se the following IP address:								
IP address:	192 . 164							
S <u>u</u> bnet mask:	255 . 255 . 255 . 0							
Default gateway:	· · ·							
C Obtain DNS server address autom	atically							
 Use the following DNS server add 	resses:							
Preferred DNS server:	<u> </u>							
Alternate DNS server:	· · ·							
	Advanced							
ocal Area Connection Properties	? ×							
General								
Connect using:								
3Com 3C920 Integrated Fast	Ethernet Controller (3C905C-							
Components checked are used by this connection:								
Client for Microsoft Networks Client for Microsoft Networks File and Printer Sharing for Microsoft Networks File And Printer Sharing for Microsoft Networks File Internet Protocol (TCP/IP)								

<u>U</u>ninstall

Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.

Show icon in taskbar when connected

OK

Properties

D Cancel

Internet Protocol (TCP/IP) Properties

General

Install.

Description -

- Open [Network and Dial-up Connections] from [Start] > [Settings] > [Control Panel].
- Right-click on [Local Area Connection] and select [Disable].
- Subsequently, right-click on [Local Area Connection] and select [Enable].

Network and Dial-up Connections			
File Edit View Favorites Tools Advanced	d Help	1	
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Address 📴 Network and Dial-up Connections		▼ (~°Go	
Make New Network and Dial- up Connections Local Area Connection Type: LAN Connection Status: Network cable unplugged 3Com 3C920 Integrated Fast Ethernet Controller (3C905C-TX Compatible)	Connection Disable Create Shortcut Delete Rename Properties		Enable Descus Create Shortcut Delete Rename Properties
🤤 Disconnects the selected connection.		1.	

[Method 1: Direct connection] 3/4

2. Setting of a MG3700A

Press [Utility] on the front panel.

Press [F5: Network Setup].



• Wait until the screen display (below left) changes to the right one.



- Change the setting of [DHCP] from ON to OFF.
- Enter an arbitrary address in [IP Address].



[Method 1: Direct connection] 4/4

3. Connection by Transfer&Setting of IQproducer

(The following describes the procedures in the state IQ producer that is the standard software of MG3700A is installed.)

• Open [IQproducer for MG3700A] from [Start] > [Programs] > [Anritsu Corporation].



• Open [Transfer & Setting Panel] from [Transfer & Setting] of IQproducer.

🕅 IQproducer for MG3700							
<u>F</u> ile	<u>S</u> ystem	<u>T</u> ransfer & Setting	Simulation	<u>C</u> onvert	<u>H</u> elp		
<u>T</u> ransfer & Setting Panel							
		Transfer & Setting <u>W</u> izard					

When a [Connection to MG3700A] window opens up automatically, enter the IP address that was previously set to MG3700A in the edit box and click [Connect]. If you close the [Connection to MG3700A] window by mistake, you can reopen it by clicking an icon at the upper left of the screen or [Connection] > [Connect] on the menu bar.



 A MG3700A icon is displayed on the right side of a screen in completion of the connection. Close the [Connection to MG3700A] window by clicking [Close] when the connection is done properly.





[Method 2: Network connection] 1/4



- 1. Setting of a PC P6 2. Setting of a MG3700A P8

1. Setting of a PC (slightly differs depending on the type of OS)

(a) Network setting

• Open [Network and Dial-up connections] from [Start] > [Settings] > [Control Panel].

🗟 Control Panel		
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Address 🐼 Control Panel		▼ ∂ ² Go
	Name 🔺	Comment
	Game Controllers	Adds, removes, and configures game controller hardware such as joysticks and gam
	🐐 Internet Options	Configures your Internet display and connections settings
Control Panel	🚔 Keyboard	Customizes your keyboard settings
	🥝 Mail	Microsoft Outlook Profiles
Network and Dial-up	🚫 Mouse	Customizes your mouse settings
Connections	💼 Network and Dial-up Connections	Connects to other computers, networks, and the Internet
networks, and the Internet	Phone and Modem Options	Configures your telephone dialing rules and modem properties
	Uptions	Configures energy-saving settings for your computer
Windows Update	Printers	Adds, removes, and configures local and network printers
Windows 2000 Support	Regional Options	Customizes settings for display of languages, numbers, times, and dates
	ab Scanners and Cameras	Configures installed scanners and cameras
	1	·····
Connects to other computers inetworks	and the Internet	

Right-click on [Local Area Connection] and select [Properties].



 Select [Internet Protocol (TCP/IP)] in the [General] tab and click [Properties].



[Method 2: Network connection] 2/4

1. Setting of a PC (slightly differs depending on the type of OS)...continued

 Activate radio buttons of [Obtain an IP address automatically] and [Obtain INS server address automatically] and click [OK].

 Click [OK] in the [Local Area Connection Properties] window.



ocal Area Connection Properties 🛛 📪 🗙					
General					
Connect using:					
3Com 3C920 Integrated Fast Ethernet Controller (3C905C-					
Configure					
Components checked are used by this connection:					
Lient for Microsoft Networks Jenner Sharing for Microsoft Networks File and Printer Sharing for Microsoft Networks File and Printer Sharing for Microsoft Network Tinternet Protocol (TCP/IP)					
Install Uninstall Properties					
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.					
Show icon in taskbal when connected					
OK Cancel					

- Open [Network and Dial-up Connections] from [Start] > [Settings] > [Control Panel].
- Right-click on [Local Area Connection] and select [Disable].
- Subsequently, right-click on [Local Area Connection] and select [Enable].

Network and Dial-up Connections		
File Edit View Favorites Tools Advanced	d Help	19 A
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Address 違 Network and Dial-up Connections		(d' Go
Make New Network and Dial- up Connection Local Area Connection Type: LAN Connection Status: Network cable unplugged 3Com 3C920 Integrated Fast Ethernet Controller (3C905C-TX Compatible)	Connection Cornection Disable Create Shortcut Delete Rename Properties	Enable Solution Create Shortcut Delete Rename Properties
🤤 Disconnects the selected connection.		1.

[Method 2: Network connection] 3/4

2. Setting of a MG3700A

• Press [Utility] on the front panel.



Press [F5: Network Setup].

• Wait until the screen display (below left) changes to the right one.

▲ MG3700A	Network	MG3700A	Network
Network Setup TCP/IP Setup	, Renew	Network Setup TCP/IP Setup	* Renew
Host Name : M53780A Domain Name : DHCP : On	Release	Host Name : [M53780A] Domain Name : [.co.jp] DHCP : [On]	* Release
DNS Serve Primary A Now getting IP configuration ··· Secondary	IP Display Ping	DROP Information IF IP Address : 172. IP Subnet Mask : 255.255.05 IP Default Gateusy : 172. ID INS Primary Server Address : 0.0.0.0 DNS Primary Server Address : 0.0.0.0	# P Display * Ping
IGproducer Setup UserID : [MG3780] Password : [########]		IOproducer setup UserID : [MS3760] Password : [********	
Ping IP Address : [0, 0, 0, 0]	Return	Ping IP Address : [0, 0, 0]	→ Return <mark>1</mark>

 Check [IP Address] above. Display/Non-display of the IP address can be switched by pressing [F3: IP Display].

Please try any of the following actions if you cannot obtain the [IP Address].

- Confirm that [DHCP] is [ON].
- Restart MG3700A in the state a LAN cable is connected.
- Press [F1: Renew].

[Method 2: Network connection] 4/4

3. Connection by Transfer&Setting of IQproducer

(The following describes the procedures in the state IQproducer that is the standard software of MG3700A is installed.)

• Open [IQproducer for MG3700A] from [Start] > [Programs] > [Anritsu Corporation].



• Open [Transfer & Setting Panel] from [Transfer & Setting] of IQproducer.

🖗 IQ producer for MG3700								
<u>F</u> ile	<u>S</u> ystem	Transfer & Setting	Simulation	<u>C</u> onvert	<u>H</u> elp			
		<u>T</u> ransfer & Setting	g Panel					
Transfer & Setting <u>V</u>			g <u>W</u> izard					

- When a [Connection to MG3700A] window opens up automatically, enter the IP address that was previously set to MG3700A in the edit box and click [Connect]. If you close the [Connection to MG3700A] window by mistake, you can reopen it by clicking an icon at the upper left of the screen or [Connection] > [Connect] on the menu bar.
- A MG3700A icon is displayed on the right side of a screen in completion of the connection. Close the [Connection to MG3700A] window by clicking [Close] when the connection is done properly.

Connection is completed.



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