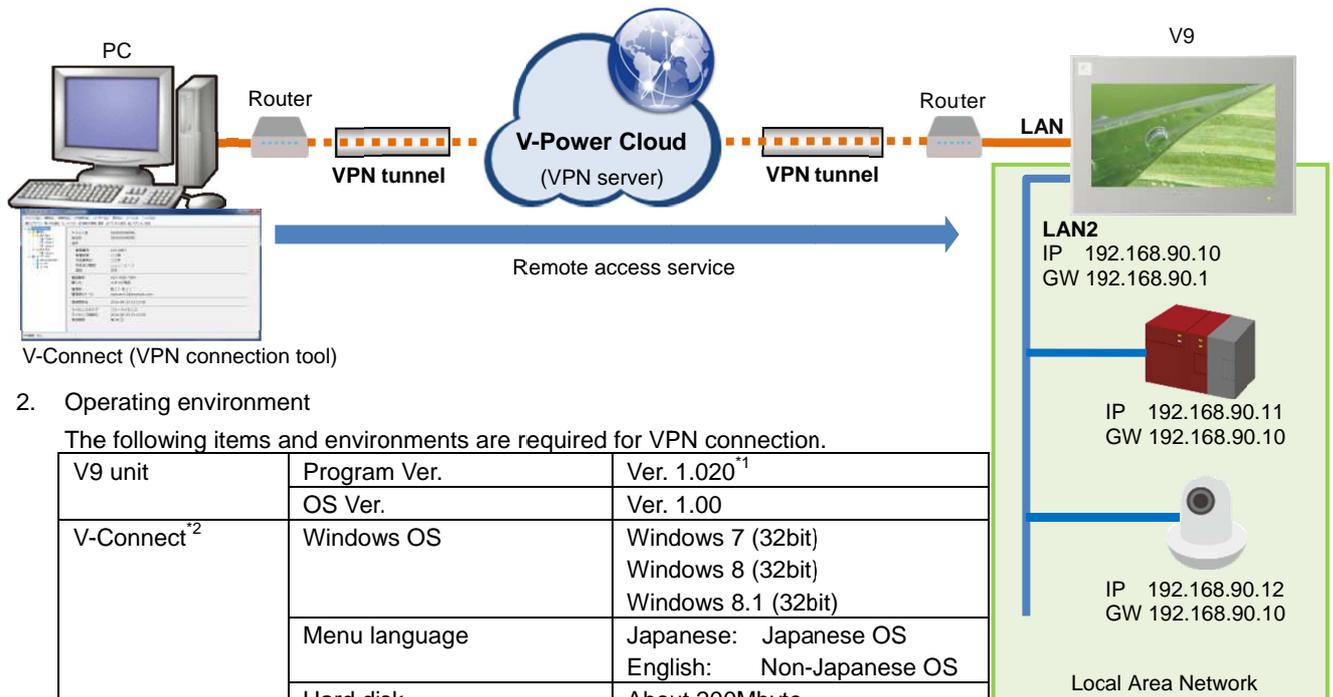




Theme	Web Machine Interface VPN Remote Access Service		
Model	V9 series	No. TI-O-0004-1	1/6

### 1. Outline

Using VPN remote access service (Web Machine Interface), VPN connection between PC and V9 can be established. PC can access V9's connected devices too using V9's routing function with V9 Advanced / V9 Standard (LAN x 2CH model).



V-Connect (VPN connection tool)

### 2. Operating environment

The following items and environments are required for VPN connection.

V9 unit	Program Ver.	Ver. 1.020 <sup>*1</sup>
	OS Ver.	Ver. 1.00
V-Connect <sup>*2</sup>	Windows OS	Windows 7 (32bit) Windows 8 (32bit) Windows 8.1 (32bit)
	Menu language	Japanese: Japanese OS English: Non-Japanese OS
	Hard disk	About 200Mbyte
Others	Registered terminal information <sup>*3</sup> Internet connection for V9 and PC	

\*1 It is included in V-SFT Ver. 6.0.2.0, which is available on Hakko website.

Update your V9's program version if your version is older.

\*2 It is available on Hakko website.

\*3 It is included in "Letter of Acceptance and terminal information" from Hakko.

### 3. Procedure of VPN connection

- 1) Prepare V9 unit and PC for internet connection.
- 2) V9 setting P2
- 3) V-Connect setting
  - Start V-Connect and log-in P4
  - VPN connection and disconnection P5
  - VPN routing setting P6

To: **Hakko Electronics Co., Ltd.** Issued on: 9/5/2014

Taro Hakko

### Letter of Acceptance and Terminal Information

Thank you for choosing Hakko Web Machine Interface service.  
This letter is to confirm that your information was approved and registered as below.

Start of service	9	-	5	--	2014
Valid until:	9	-	10	--	2014
Unit	V9				
Number of sub-domains	1				
Domain name	Hakko				
Administrator account ID	HakkoAdmin01				
Administrator password	HakkoAdmin01				

(Target ID information)  
Register the following target ID to your V9.

Target ID	111344000001
Registered terminal information	

Register a user name, password, and domain name to the V9 which you wish to access via VPN.

No.	User ID	Password
1	user001	PW01234567
2	user002	PW12345678
3	user003	PW23456789
4	user004	PW34567890
5	user005	PW45678901
6	user006	PW56789012
7	user007	PW67890123
8	user008	PW78901234
9	user009	PW89012345
10	user010	PW90123456

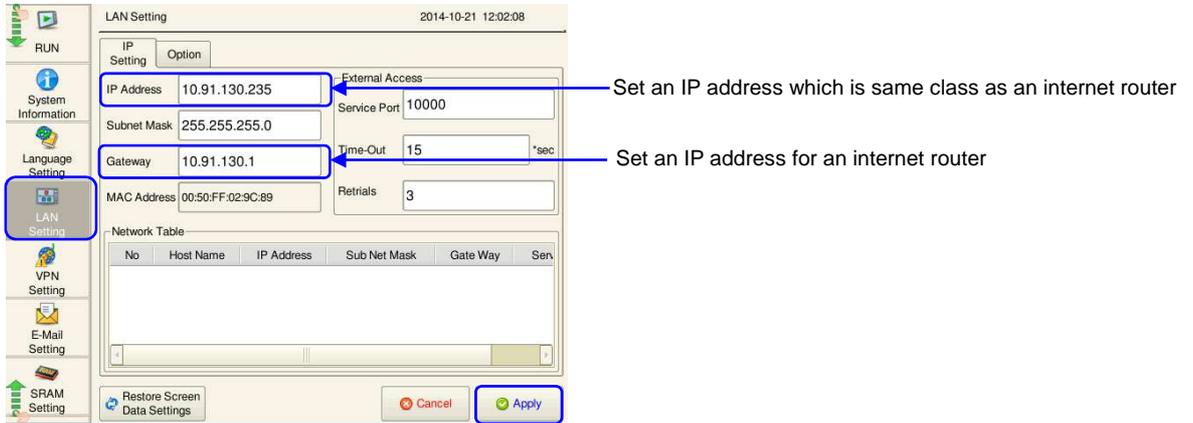
No.	Node ID	Node password
1	node001	node001
2	node002	node002

4. V9 unit setting

- 1) Switch to [Local mode] on V9 unit.
- 2) Go to [LAN Setting] screen.

Type an IP address for V9's internet access and press [Apply] to set the IP address.

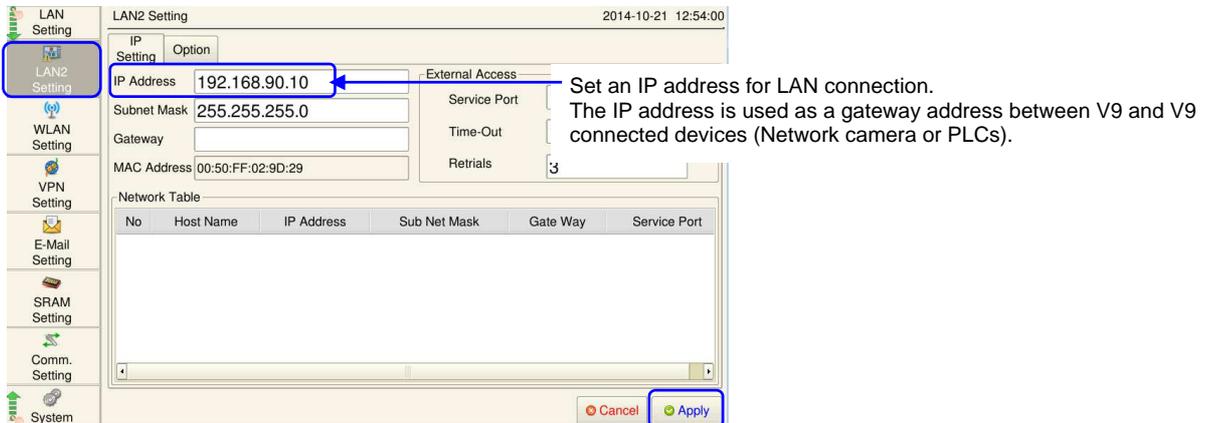
\* LAN2 setting and WLAN setting are available on V9 Advanced / V9 Standard (LAN x 2CH model).



- 3) If routing function\* is used, go to [LAN2 setting (WLAN setting)] for the setting.

Type an IP address for LAN connection, and press [Apply] to set the IP address.

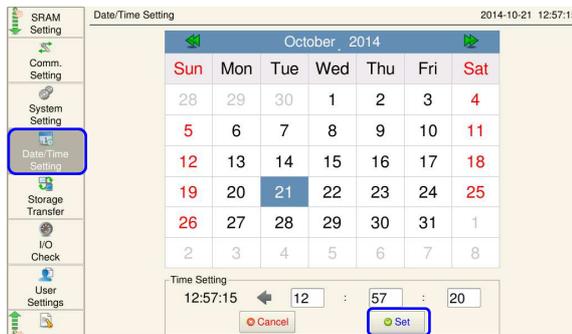
\*This routing function is available only on V9 Advanced / V9 Standard (LAN x 2CH model)



- 4) Set date and time on V9 unit. **VPN connection fails, if date and time is not correctly set on V9 unit.**

- If PLC's clock is preferred, set current date and time on PLC's clock.

- If V9's internal clock is preferred, set current date and time on V9 unit by going to [Date / Time Setting].



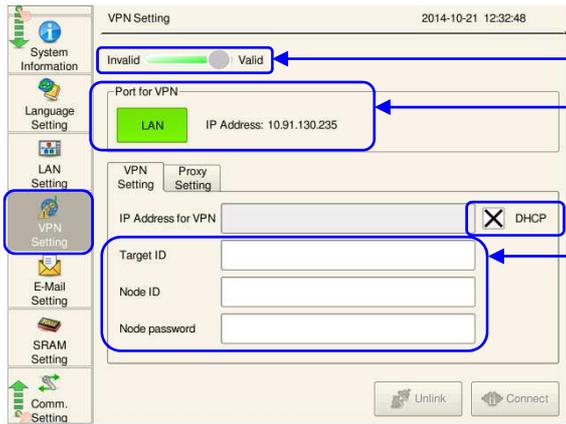
Either PLC clock usage or V9's internal clock usage can be checked on V-SFT setting.

[System Setting] > [Unit Setting] > [SRAM/Clock Setting] > [Use SRAM calendar]

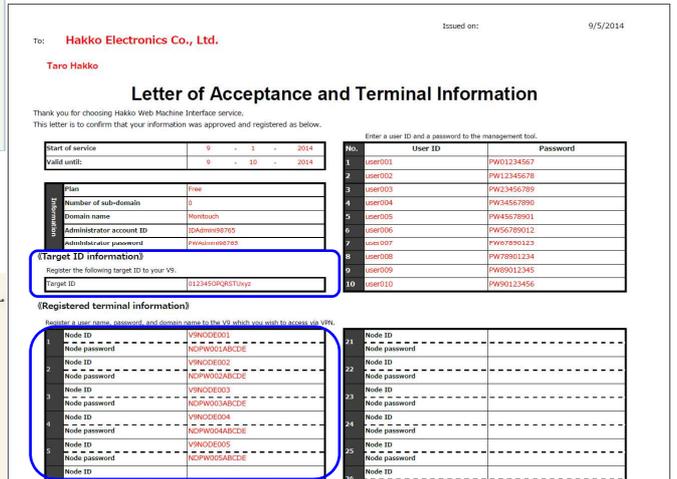
Checked : PLC clock is used.  
 Unchecked: V9's internal clock is used.



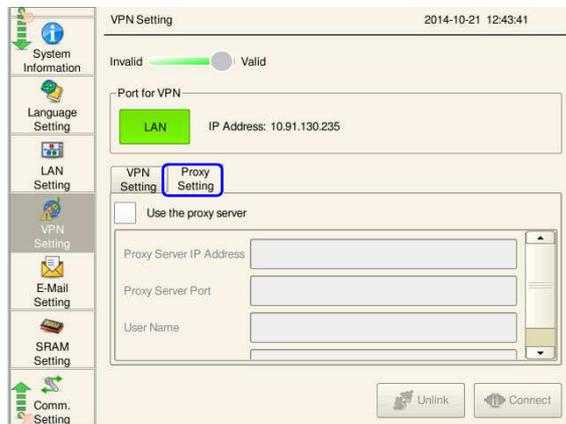
5) Go to [VPN Setting].



- Select [Valid]
- Select LAN port which is set on 2) (=ON status)
- Select [DHCP] (=Automatic acquisition)
- Enter the information from "Letter of Acceptance and terminal information"



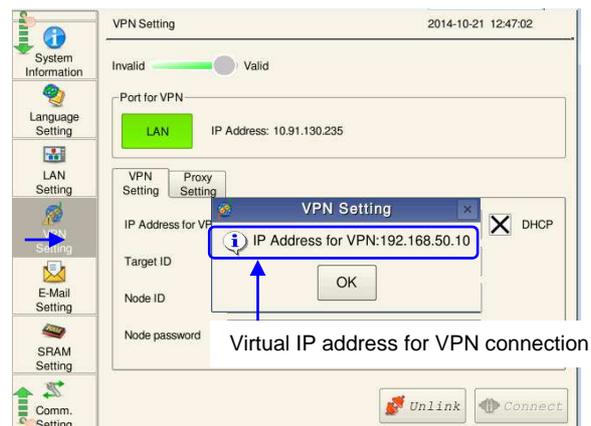
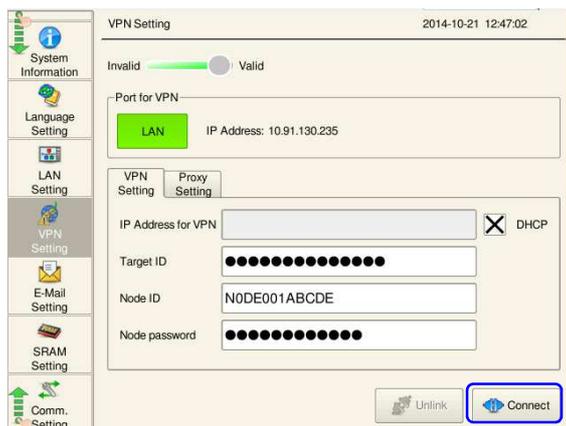
6) If remote access via proxy server is preferred, go to [Proxy Setting] for the setting.



Please do not duplicate a node ID or a node password, if several V9 units are connected.

Please consult with your network administrator about proxy setting.

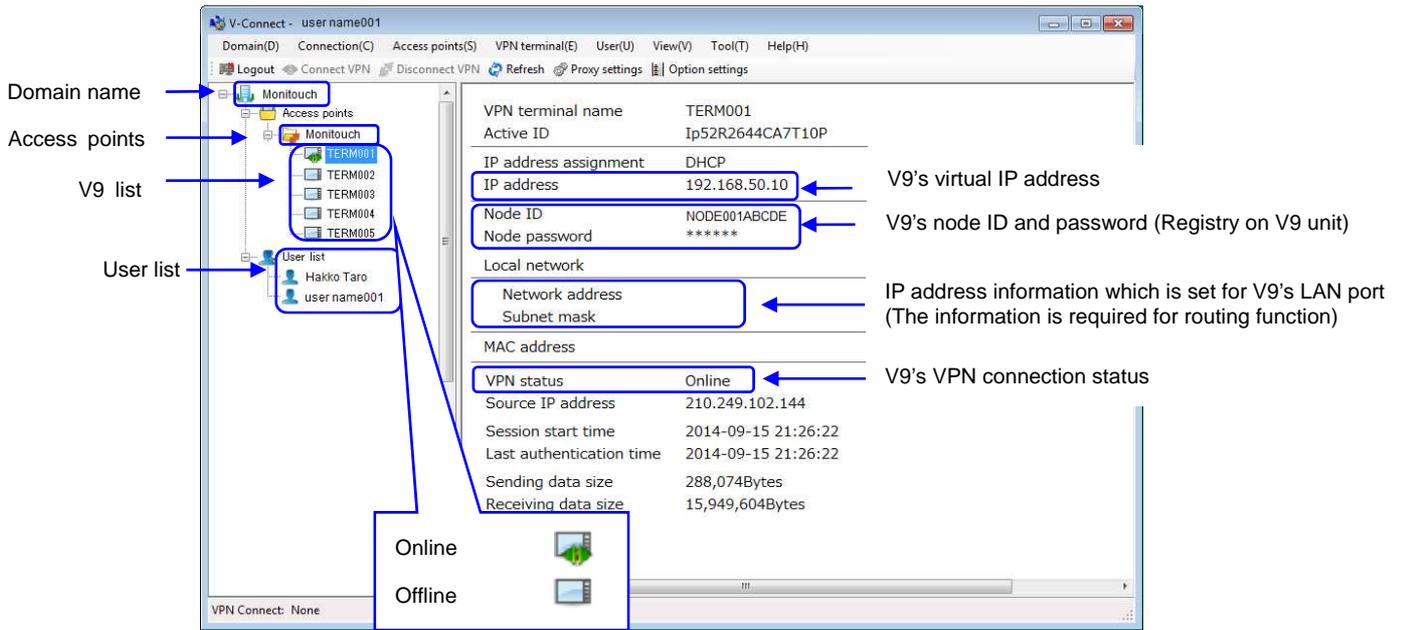
7) Click [Connection] to access VPN server. If a message [IP Address for VPN:] is appeared as below, VPN connection is successfully established.



Virtual IP address for VPN connection

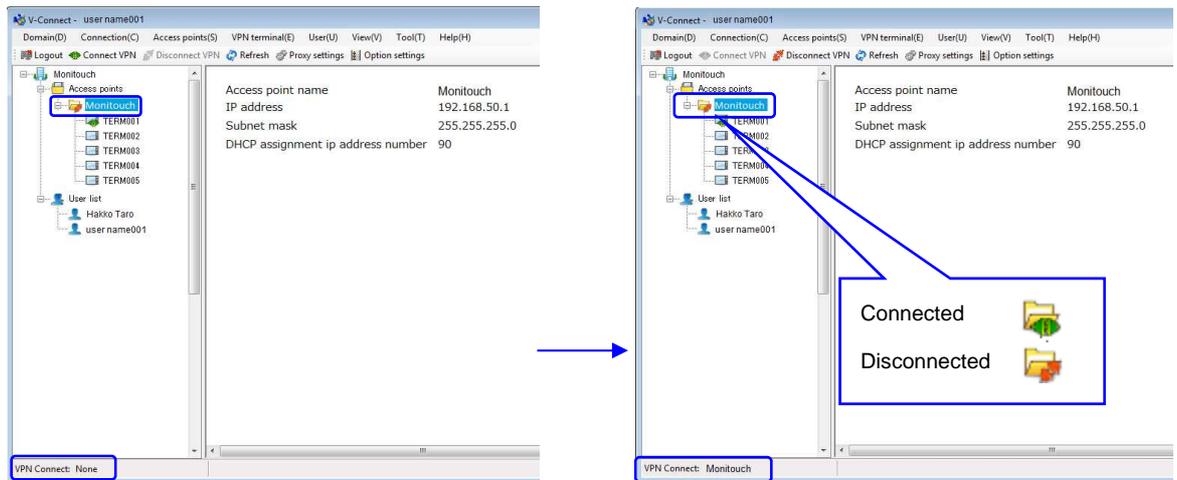


5) Click [OK] to log in VPN server. V9 connection status can be checked.

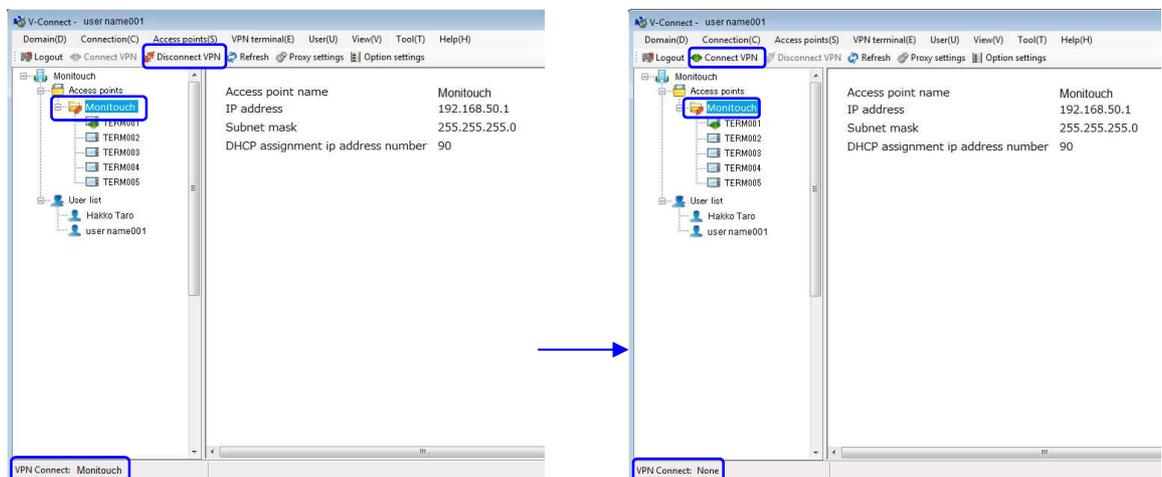


- Disconnect VPN connection

1) If you select [Access point] and click [Connect VPN], VPN connection is established.



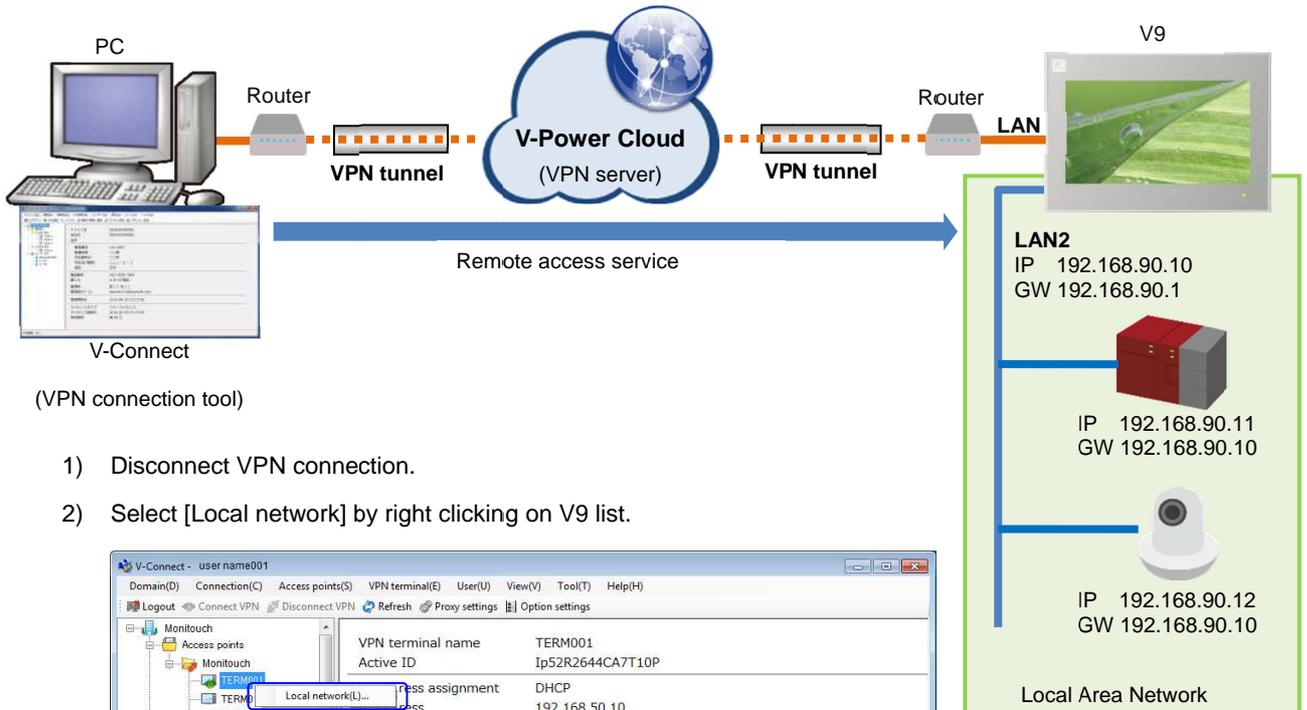
2) If [Disconnect VPN] is clicked, the connection is disconnected.



- Router setting\*

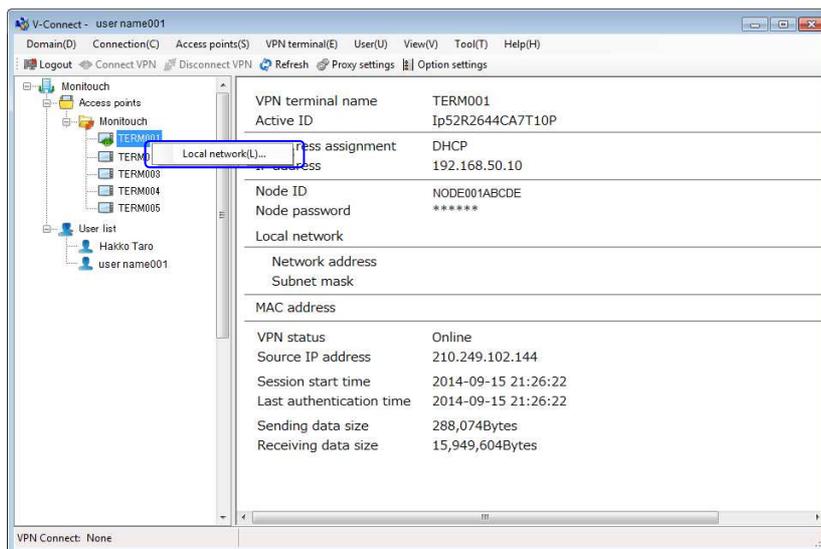
With V9's routing function, V9 can access V9's connected devices. [Local Network setting] needs to be set for the function.

\* Routing function is available only on V9 Advanced / V9 Standard (LAN x 2CH model)



V-Connect  
(VPN connection tool)

- 1) Disconnect VPN connection.
- 2) Select [Local network] by right clicking on V9 list.



- 3) [Network address] and [Subnet mask] are required for V9' local network.



The setting is not required after Oct 2014, since auto-registration system is available.

- 4) Click [VPN connection].