# MONITOUCH

# **Technical Information**

July 2020

Theme	V9's VNC connection using "Simple Remote"		
Models	V9 series with a wireless LAN	No. TI-M-1278	1/16

# 1. Outline

This document explains how to connect the V9 as an access point (with no encryption) to an Android tablet (app: Simple Remote) by VNC. The V9 DHCP server feature is used to set the IP address on your Android tablet.



DHCP server function
This function allows the V9 as a server to reserve
some IP addresses in advance.
The V9 automatically assigns one of the available
IP addresses to the client device when the client
device accesses the V9 network.

# 2. Supported models

V9 series with a wireless LAN

## 3. Configuration of settings of the V9

## 3.1 Switching to the local mode screen

1 Press one corner of the screen for at least 2 seconds and release your finger when there is a beep. Then press a different corner and hold for at least 2 seconds to display the system menu.



\*For V9 Standard panels, press [SYSTEM] to display the system menu. Hakko Electronics Co., Ltd.

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2 Press the [Local] button to show the local mode screen.



#### 3.2 [WLAN Setting] screen

The IP address, subnet mask, and wireless LAN settings are as follows.

- WLAN Setting 2020-06-19 12:02:40 D System Inform Þ Main unit Information Model Informa Type IP Wireless Select AP Wireless Setting Settings to Connect Option RUN RUN 0 • 192.168.10.184 Address Service Port 10000 Program Ver. Subnet Mask 255,255,255,0 OSVer **%** 15 me-Out 2 \*sec Gateway Font Informati Font Data: M Font Ver. : V Language Setting Languag Setting Retrials 3 MAC Address 00:50:FF:22:22:22 LAN Setting \* Network Table LAN Setting Memory Infor No Host Name IP Address Sub Net Mask Gate Way Service Port Memory Usa **1** 43082/6553 LAN2 Setting LAN2 E.g.) IP address : 192.168.10.184 WLAN Setting ø Subnet mask : 255.255.255.0 VPN Setting VPN Setting 11 IP addresses for LAN, LAN2, and WLAN should not be the same 0 network group.
- 1 Go to [WLAN Setting] and click [IP Setting]. Configure "IP Address" and "Subnet Mask".

2 Configure "Wireless Settings".

Þ	WLAN Setting		2020-06-	-19 12:03:11	
RUN	IP Wirele Setting Settin	gs to Connect Option	(		
() System	Status OFF	ON		E.g.)	
Information	Operation Mode	Access Point		Ctatura	· ON (alida ta awitah)
	Antenna	PCB   Channel 1		Status	: ON (side to switch)
Setting	SSID	0-V9101iWRD-4		Operation Mode	: Access Point
	Authentication	Open System			
LAN Setting	Encryption Level	NONE		Antenna	: PCB
<b>1</b>	-Security Kov-			Channel	• 1
LAN2 Setting	Key Index	0 -		Channel	. 1
(0)	Key Format	Hexadecimal -		SSID	: Any character string
	Confirmation Ke	у			*This will appears in the Wi-Fi
<i>1</i>					
VPN Setting					setting on the Android tablet.
			O Cancel		
<u>∽</u>				Authentication	: OPEN System
			I	Encryption Loyal	
			I	Enci yption Level	. NONE
					J

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Click [Wireless Option]. Set [IP Address Setting] to "Manual/DHCP server".
 Configure "Start address", "Maximum number of DHCP Users", and "Lease time".
 Press [Apply]

C33 [A	pbiàl.	
	WLAN Setting	2020-06-19 12:48:03
RUN	IP Wireless Select AP Wireless Setting Settings to Connect Option	
System Information	Wireless Mode 802.11 n/g/b	
Canguage Setting	Beacon Transmission Interval 100 *msec	
LAN Setting	IP Address Setting	
LAN2 Setting	Start address 192.168.10.185	
( <u>()</u> )	Maximum number of DHCP Users 10	
Setting		,
Setting		© Cancel © Apply

E.g.) Start address : 192.168.10.185 Maximum number of DHCP Users : 10 Lease time : 24 (h)

#### 3.3 The [User Settings] screen

How to add the access users of the VNC server is as follows.

1 Go to [User Settings] and click "Add".



2 Specify "User Name", "Password", and "VNC Server". Click "Apply".

SRAM Setting	User Settings > Add	2020-06-19 12:56:01
Comm. Setting	User Name moni Password ••••	
System Setting	Grant administrator privileges	
Date/Time Setting	Security VNC Server	
Storage Transfer	Level 2	ote operation
I/O Check	Level 4 Allow Level 5 Input Supervise	sory Period 15 Min.
User Settings	Level 6	ng
Standards	(D)	OK Ocancel O Apply

note operation



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# 4. Android tablet settings

# 4.1 The Settings icon

1 Tap the Settings icon on the Home screen page and tap "Wi-Fi".

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summer		Sett	ings		Wireless & networks	Q
		Se	arch for setting		Airplane mode	
Thomas and the	$\rightarrow$	Ω	Log in to HUAWEI ID Access more Huawei services.	>	Wi-Fi	APPLE >
Settings		<b>?</b>	Wireless & networks Wi-Fi, VPN	>	Mobile data	>
		•	Device connection Bluetooth, Printing	>	VPN	
		8	Apps & notifications Permissions, Default apps			
		٥	Battery Power saving mode, Battery usage			
		0	Display Eye comfort, Home screen style, Wallpaper			
			Sound Do not disturb, Ringtone, Vibrate			

2 Tap the SSID that you configured in section 3.2 step 2.

III 💿					0	00% 💌	1:50 PN
Sett	ings		← Wi-Fi	C	:((•	Ø	:
Se	arch for setting		Wi-Fi				0
0	Log in to HUAWEI ID Access more Huawei services.	>	Wi-Fi+ Enhanced Internet experience			C	)n >
Wireless & networks		>	AVAILABLE NETWORKS				
	Device connection		0-V9101iWRD-4 Connected (no Internet access, no other networks availer)				(([-
	Bluetooth, Printing	2		m			
	Apps & notifications Permissions, Default apps	>	Saved, encrypted (average quality)				78
	Battery	>	buffalo_85 Encrypted (WPS available)				()

IP settings" appears by checking "Show ad lake sure that "DHCP" is selected.	ivanced options".	
← Wi-Fi		1⊡€奈100% 💌 1:51
	← 0-V9101iWRD-4	
Wi-Fi	Signal strength	Excellent
Wi-Fi+ Press and	Encryption type	None
AVAILABLE NETWORKS	Show advanced options	
0-V0101iWRD-4	Proxy	None >
0-V9101iWRD-4	IP settings	DHCP >
Sa Eorget network		

#### 4.2 Starting and closing "Simple Remote"

#### <How to launch the app>

1 Tap the Simple Remote icon on the home screen page.



Simple Remote 🧕

It is a free VNC client app for Android developed by Hakko Electronics and exclusively for MONITOUCH. Long term support is available thanks to in-house development. You can install it from Google Play for free and use it right away.

2 The following screen appears.

M	। <b>⊡</b> । रू100% 💌 1:55 PM
Simple Remote Hakko	:
New Connection	- Connect
Title (optional)	
VNC Connection Settings	
VNC Server	5900
VNC Username (optional)	
VNC Password	🗹 Кеер
Show Advanced Settings	
Import/Export Settings	
Copy Logcat	
$\triangleleft$ O $\Box$	

3 Enter the IP address of the V9 WLAN in [VNC Connection Settings]. Tap "Connect".



4 The VNC launch menu appears.

VNC	Brver Connection	MONITOUCH V9 series	
Use	er Authentication		
	User Name		
	Password		
			Connect Cancel

5 Tap the screen to display the following transparent menu, and then tap the icon in the center.



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6 When the keypad appears, scroll the VNC screen until you can see [User Authentication]. Enter the user name (moni) and password (moni) that you configured in section 3.3 step 2.

To turn off the keypad, tap the down arrow button at the bottom of the screen.

							se	rie	S					
	Us	er Authe User Pass	Name m	oni ●●●										
											C	onnect		Cancel
1	2	3		4	5		6		7		8		9	0
q	w	е		r	t		у		u		i		0	р
а	5	;	d	f		g		h		j		k		1
Ŷ	Z		х	C		v		b		n		m		×
?123					C	WERT	ſ					·		←
$\bigtriangledown$	0													
	Тар	here	to clo	se the	keyp	ad.								

7 Tap "Connect". The V9 screen appears with the VNC connection.

VNC	erver Connection Automotion	series	
User	Authentication User Name moni Password		
			Connect Cancel

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#### <How to close the app>

1 Tap the screen to display the following transparent menu, and then tap the three dots icon.

The settings menu appears. Tap "Disconnect".



2 Return to the startup window of Simple Remote.

	३ी । ाि की 100% 💽 1:02 PM
Simple Remote Hakko	:
192.168.10.184:5900	- Connect
Title (optional)	
VNC Connection Settings	
192.168.10.184	5900
VNC Username (optional)	
VNC Password	🗹 Кеер
Show Advanced Settings	
Import/Export Settings	
Copy Logcat	
$\triangleleft  \bigcirc  \Box$	

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#### 5. Simple Remote Features

#### 5.1 Centering the screen

At startup, the screen appears in the lower right corner.

At this time, you can use a pinch-to-zoom operation to enlarge or reduce the screen.



You can also center the screen. Set the following.

 Tap the screen in the VNC session to display the following transparent menu, and then tap the three dots icon. The settings menu appears.
 Tap "Scaling".



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2 The Scaling menu appears.Because the default is "Zoomable", tap "Fit to Screen" to select.



3 The screen is centered.



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#### 5.2 Show/hide a mouse pointer

It is possible to display a mouse pointer. (It is not displayed by default.)

1 Tap the screen to display the following transparent menu, and then tap the three dots icon.

The settings menu appears. Tap "Disconnect".



2 The startup screen of Simple Remote appears again.Tap "Show" to scroll through the menus that are hidden below.

Simple Remote Hakko	:	
192.168.10.184:5900	- Connect	
Title (optional)		
VNC Connection Settings		
192.168.10.184	5900	
VNC Username (optional)		
VNC Password	G1	) <b>⊡</b> । র্হ্ম 100% 🖦 2:04 PM
Show Show Advanced Settings	Simple Remote Hakko	:
Import/Export Settings	Hide Show Advanced Settings	
	24-bit color (24 bpp)	•
	□ View-only mode	
	Use D-Pad for arrows and D-Pad click for Ctrl.	
	Rotate Bluetooth or software D-Pad	
	Cursor Mode:	
	Auto O Local O Disable	
	No compression (local connections, Hextile encoding)	
	Auto Cullscreen Bitman	
	Pomoto Dockton Sizo (WyH)	
	The server needs ExtendedDesktopSize support	
	Disabled - 0	<b>x</b> 0

3 Change "Cursor Mode" from "Auto" to "Local".



4 Connect to the V9. The mouse cursor appears during the VNC session.



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#### 5.3 How to operate V9's function keys from the tablet

Send Keys feature enables you to press the function keys of the V9 series.

VNC Client Keyboard	V9 Function Switch				
F1	F1				
F2	F2				
F3	F3				
F4	F4				
F5	F5				
F6	F6				
F7	F7				
F8	SYSTEM				

<How to press the SYSTEM key using the Send Key feature>

1 Tap the screen to open the transparent menu below. Tap the three dots icon. The settings menu appears. Tap "Send Keys".



2 The following screen appears. Tap the button to open the pull-down menu.

□ Shift □ Send F	Ctrl 🗆 A 1	.lt □ Sup	erF1					(	Tan	
Keys									Iup	
List		F1								•
List Name		<u>F1</u>								
New List					Copy Li	ist				
<	IJ	GI	F	\$			<b>1</b>	Ĵ.	***	Ŷ
<b>q</b> <sup>1</sup>	<b>W</b> <sup>2</sup>	е <sup>3</sup>	<b>r</b> 4	t	y <sup>6</sup> (	u "	i	0 9	<b>p</b> <sup>0</sup>	$\overline{\mathbf{X}}$
а	s	d	f	g	h	j	k			~
Ŷ	z	x	С	v	b	n	m	!	?	Û
?123	•			E	Inglish			☺	·	?123
$\bigtriangledown$	0									

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3 The following pull-down menu appears. Scroll to select "F8".



4 Tap "Send" while "F8" is being selected.

(Тар)	Shift	🛛 Ctrl 🗆 A	lt 🗆 Super F 8						•
	Send F	8 1 <mark>רר</mark>							•
	List Nam		F1 <u>F1</u>						*
	New List				Copy List				
	<	IJ	GIF	٥		<b>4</b> 11-		••••	Ŷ
	<b>q</b> <sup>1</sup>	<b>W</b> <sup>2</sup>	e <sup>3</sup> r <sup>4</sup>	t 5	y <sup>6</sup> u <sup>7</sup>	i <sup>8</sup>	0 %	<b>p</b> °	$\times$

5 The V9's SYSTEM menu appears on the screen.



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#### 5.4 Multilingual menu

The menu can be displayed in 5 languages.

(English, Japanese, Korean, Chinese simplified, and Chinese traditional)

The display language automatically switches following the language settings of the Android tablet.

#### (e.g. Chinese simplified)



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