

How to use KM-router to connect to ONWA Radar Antenna

There are different ways to use KM-router to connect ONWA Radar Antenna to ONWA Multi-function plotter or PC.

A) CONNECT ONWA MULTI-FUNCTION PLOTTER TO ONWA WIFI RADAR ANTENNA

NOTE: You can *ONLY* connect the ONWA WIFI radar antenna to *ONE* ONWA multi-function plotter or *ONE* PC.

Please follow the steps below to finish the configuration of KM-Router:

- 1) Connect power to KM-Router and ONWA WIFI radar antenna
- 2) Connect a PC to the KM-router through WIFI or LAN port.

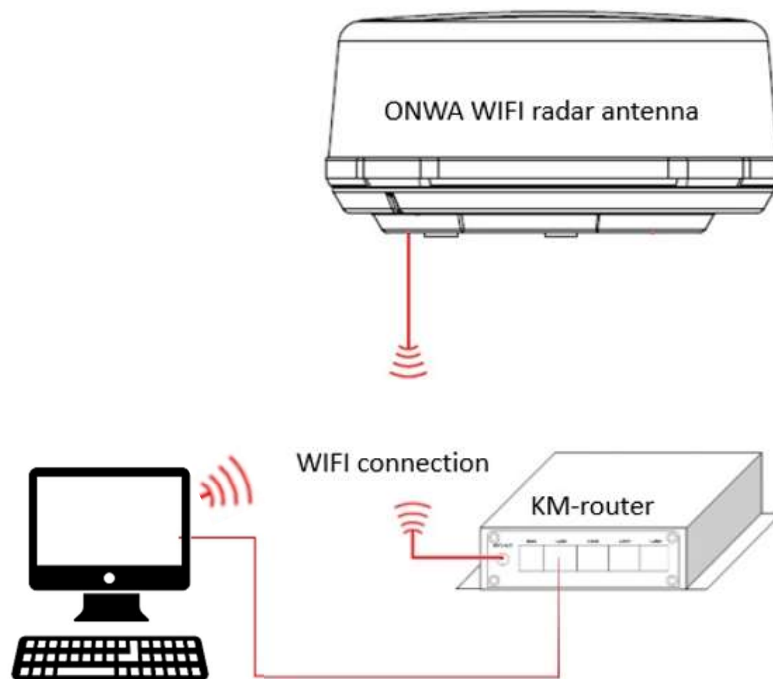


Fig.1

- 3) Open the configuration web page of the KM-router through an internet browser.
(Please refer to the KM-Router quick manual)

	Current	Updated
Network Mode	Default	<input type="text" value="Default"/>
IP Type	DHCP	<input type="text" value="DHCP"/>
AP Enable	Enable	<input type="text" value="Enable"/>
AP SSID	KM-ROUTER-00001	<input type="text" value="KM-ROUTER-00001"/>
AP EncType	WPA2AES	<input type="text" value="WPA2AES"/>
AP Passwd	12345678	<input type="text" value="12345678"/>
LAN IP Addr	223.168.1.253	<input type="text" value="223.168.1.253"/>
LAN Mask	255.255.255.0	<input type="text" value="255.255.255.0"/>
DHCP Server	Enable	<input type="text" value="Enable"/>

Fig.2

4) Change Network Mode from “Default” to “Bridge”.

5) Change the setting of “Apcli Enable” to Enable and input 223.168.1.1 in the “Lan Gateway IP” field as shown in Fig.3

The screenshot shows the 'Settings' page with the 'Network' tab selected. The interface is divided into 'Current' and 'Updated' columns. The 'Updated' column shows the following changes:

Field	Current	Updated
Network Mode	Default	Bridge
Apcli Enable	Disable	Enable
LAN Gateway IP		223.168.1.1

Other fields remain unchanged. The 'Scan' button is visible next to the STA SSID field. At the bottom, there are 'Apply' and 'Cancel' buttons.

Fig.3

6) Click [Scan] to find your Onwa WIFI radar antenna.

This screenshot is identical to Fig.3, but the 'Scan' button next to the STA SSID field is highlighted with a blue box, indicating the next step in the configuration process.

Fig.4

Refresh Close

Scan AP List							
Ch	SSID	BSSID	Security	Signal(%)	W-Moe	ExtCh	NT
1	Infotech	78:32:1b:d2:26:10	WPA1PSKWPA2PSK/TKIPAES	18	11b/g/n	NONE	In
1	ONWA MARINE	2c:4d:54:da:7a:58	WPA2PSK/AES	100	11b/g/n	NONE	In
3	RADAR-200500022	40:d6:3c:2f:0c:da	WPA2PSK/AES	100	11b/g/n	NONE	In
4	NTGR_VMB_0049599797	78:d2:94:02:a3:98	WPA2PSK/AES	10	11b/g/n	NONE	In
6	Netcore_FBCB69	08:10:79:fb:cb:69	WPA1PSKWPA2PSK/AES	42	11b/g/n	ABOVE	In
6	HP-Print-4D-LaserJet M12	28:58:5a:52:34:4d	NONE	100	11b/g/n	NONE	In
11	guest	02:02:6f:e0:36:48	WPA2PSK/AES	13	11b/g/n	BELOW	In

Fig.5

7) Copy the settings of the Onwa WIFI radar antenna (Fig. 5) to STA SSID and STA EncType field as shown in Fig. 6 and fill the WIFI password (default is 12345678).

Settings Network Serial 0 Serial 1

	Current	Updated
Network Mode	Default	Bridge
Apcli Enable	Disable	Enable
STA SSID		RADAR-200500022 Scan
STA EncType	Open	WPA2AES
STA Passwd		12345678
AP Enable	Enable	Enable
AP SSID	KM-ROUTER-00001	KM-ROUTER-00001
AP EncType	WPA2AES	WPA2AES
AP Passwd	12345678	12345678
LAN IP Addr	223.168.1.253	223.168.1.253
LAN Mask	255.255.255.0	255.255.255.0
LAN Gateway IP		223.168.1.1

Apply Cancel

Fig.6

8) Click [Apply] to save settings

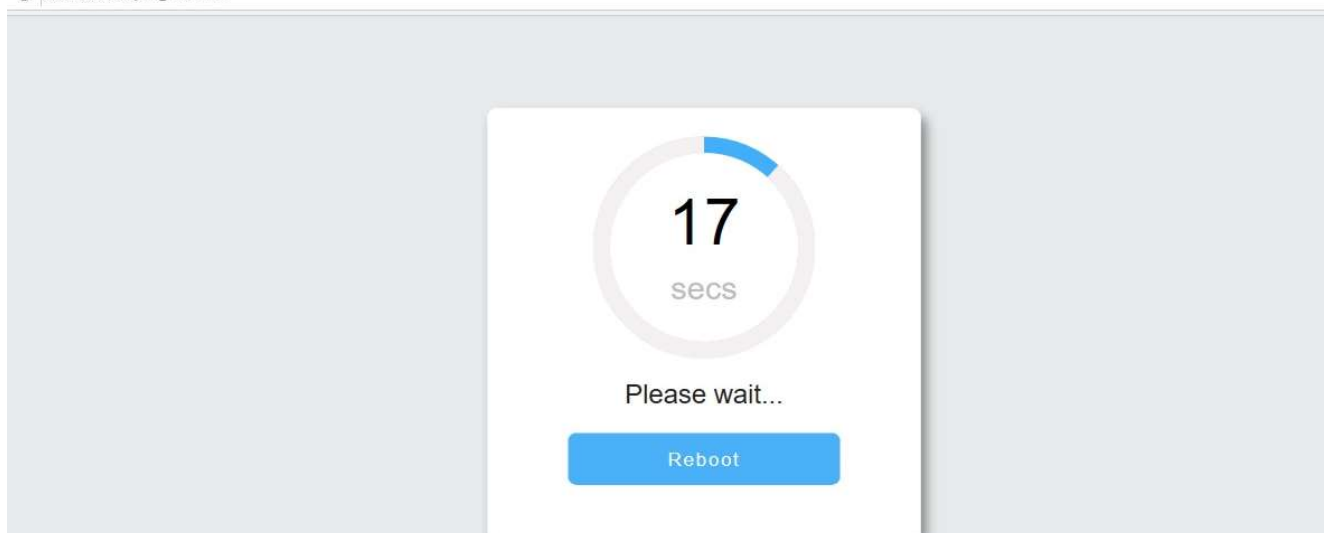


Fig.7

9) After reboot, Check the settings before closing the internet browser.

**The current settings should be the same as the Updated settings as shown below.*

	Current	Updated
Network Mode	Bridge	Bridge
Apcli Enable	Enable	Enable
STA SSID	RADAR-200500022	RADAR-200500022 <input type="button" value="Scan"/>
STA EncType	WPA2AES	WPA2AES
STA Passwd	12345678	12345678
AP Enable	Enable	Enable
AP SSID	KM-ROUTER-00001	KM-ROUTER-00001
AP EncType	WPA2AES	WPA2AES
AP Passwd	12345678	12345678
LAN IP Addr	223.168.1.253	223.168.1.253
LAN Mask	255.255.255.0	255.255.255.0
LAN Gateway IP	223.168.1.1	223.168.1.1

Fig.8

10) After configuring the KM-Router, You can now connect the ONWA multi-function plotter to the ONWA WIFI radar antenna. Please refer to Fig.9

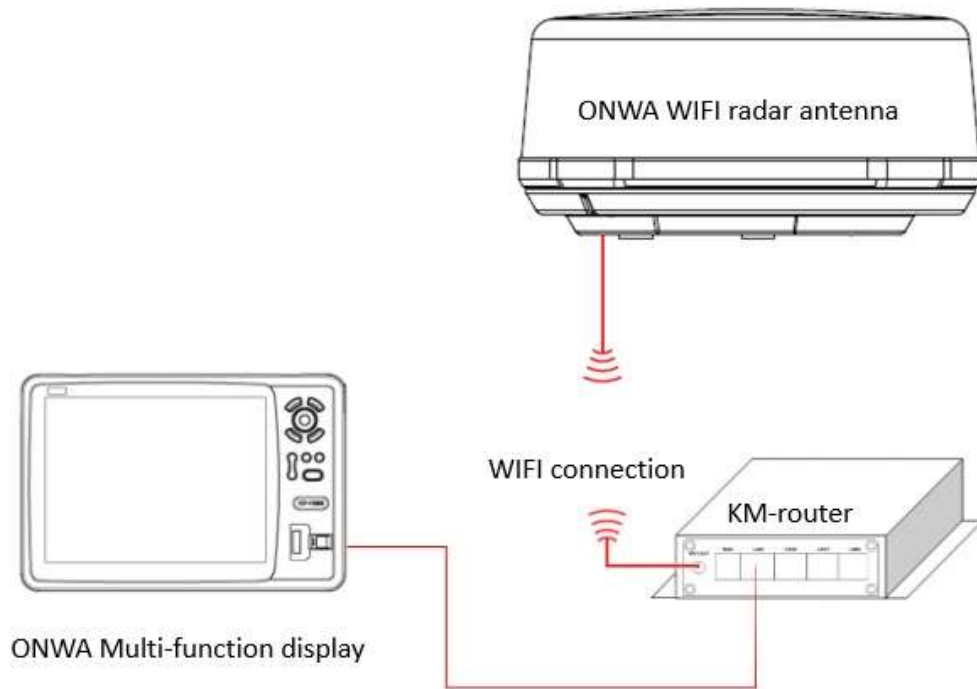


Fig.9

B) CONNECT MULTIPLE ONWA MULTI-FUNCTION PLOTTERS TO ONWA NETWORK RADAR ANTENNA.

1) Simply use the “Default” settings of KM-router

Settings			
	Network	Serial 0	Serial 1
	Current	Updated	
Network Mode	Default	Default ▾	
IP Type	DHCP	DHCP ▾	
AP Enable	Enable	Enable ▾	
AP SSID	KM-ROUTER-00001	KM-ROUTER-00001	
AP EncType	WPA2AES	WPA2AES ▾	
AP Passwd	12345678	12345678	
LAN IP Addr	223.168.1.253	223.168.1.253	
LAN Mask	255.255.255.0	255.255.255.0	
DHCP Server	Enable	Enable ▾	

Fig.8

2) Below are the combination of Equipment/devices that you can connect to the ONWA Network Radar Antenna (Radome or Open-Array) by using the KM-Router.

- 2 ONWA Multi-Function plotters and 1 PC, or
- 3 ONWA Multi-Function plotters, or
- 1 ONWA Multi-Function plotter and 2 PCs, or
- 3 PCs

