



# Application Guide

## MDVR-iScanClient-Register



## Contents

<b>Contents</b> .....	<b>2</b>
<b>Revision History</b> .....	<b>2</b>
<b>1 Overview</b> .....	<b>3</b>
<b>2 Description</b> .....	<b>3</b>
2.1 Public IP Environment.....	3
2.2 Private IP Environment.....	8
2.2.1 Ethernet Connection of MDVR.....	8
2.2.2 WiFi Connection of MDVR.....	9

## Revision History

Updates between document versions are cumulative. Therefore, the latest document version contains all updates made to previous versions.

Doc Version	Product	Release Data	Details
V1.0	MDVR, iScanClient5.2	2017.09.21	First Release

# 1 Overview

The iScan platform is for remote monitoring and managing MDVR (Mobile Digital Video Recorder) series products designed for Internet of Vehicle application. Hongdian MDVR Vehicle Management System contains iScan Platform + MDVR product for the customers.

This document shows how to how to quick register the MDVR on the iScan Platform. For preparation, you should have the MDVR product such as H3526, H3504 and etc, have installed the iScanClient on your PC, and have an available account to login the iScanClient.

## 2 Description

Here we take an example for registering the H3526 mdvr to the iScan Platform.

### 2.1 Public IP Environment

If your iScanServer is got the public IP, once the MDVR access the Internet well, it be can registered to the platform. This is suitable for actual operating condition.

Here we take the cellular network connection as the example, that is, the MDVR is inserted the SIM card to access the Internet.

1. Insert the SIM card, connect your PC and MDVR with Ethernet cable. Make sure your PC ip is in the same segment of the MDVR, so as to access the MDVR web UI, login the MDVR web UI in IE browser, default URL is: 192.168.8.1, also make sure the SIM card network is well. (Please view the MDVR user manual if you don't know how to config).
2. Enter the page as below to input the ID and number of the MDVR. Please write a different number to differ from other device.

The screenshot shows the 'Basic Setting' page in the MDVR-iScanClient-Register web interface. The 'Device ID' field is set to '013800000002' with a 'Length 12' label. The 'License Plate Number' field is set to '22345678'. Other fields include Province ID (13), City ID (0755), Device Model (H3504), and Vehicle Color (1). The 'Save', 'Cancel', and 'Refresh' buttons are visible at the bottom.

Device ID	013800000002	Length 12
Province ID	13	
City ID	0755	
Device Model	H3504	
Vehicle Color	1	
License Plate Number	22345678	

3. Enter your iScanServer IP as below. Wherein, please input your own "Server Address", the port is mostly 52473 in default.

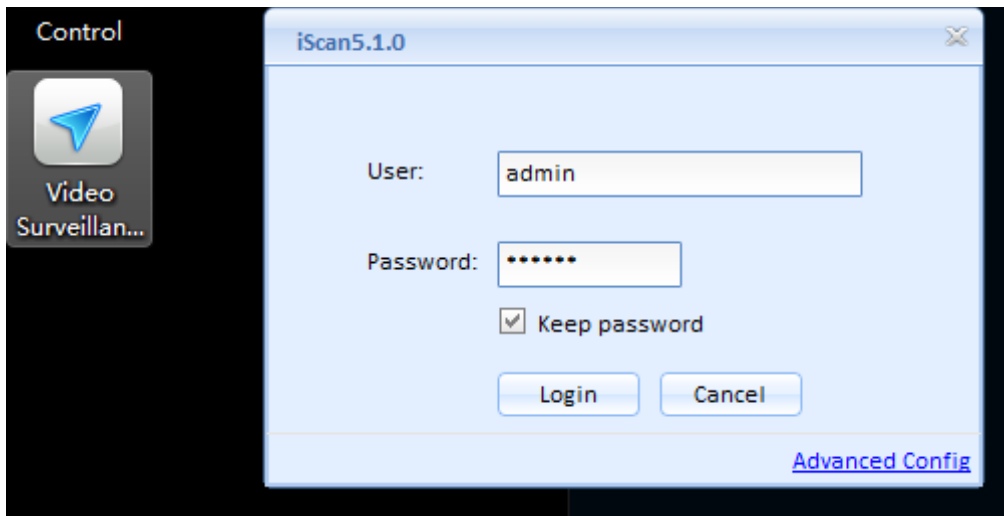
The screenshot shows the 'Server Setting' page in the MDVR-iScanClient-Register web interface. The 'Server Address' field for 'Server Group1' is set to '47.88.148.230' and the 'Server TCP Port' is set to '52473'. The 'Server UDP Port' is set to '0'. The 'Server Group2 Settings' section is also visible, with 'Server Address' set to '120.26.98.110' and 'Server TCP Port' set to '6608'. The 'Save', 'Cancel', and 'Refresh' buttons are visible at the bottom.

Server Address	47.88.148.230
Backup Server Address	47.88.148.230
Server TCP Port	52473
Server UDP Port	0

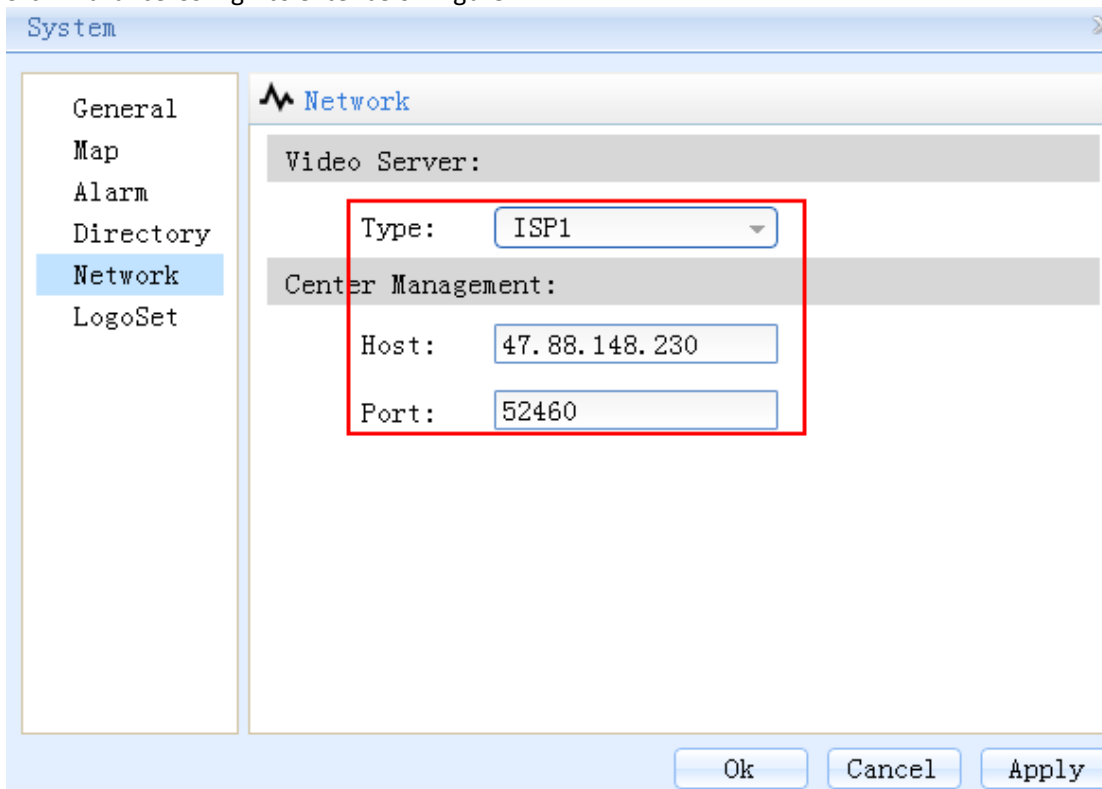
  

<input checked="" type="radio"/> Enable <input type="radio"/> Disable	
Server Address	120.26.98.110
Backup Server Address	120.26.98.110
Server TCP Port	6608
Server UDP Port	0

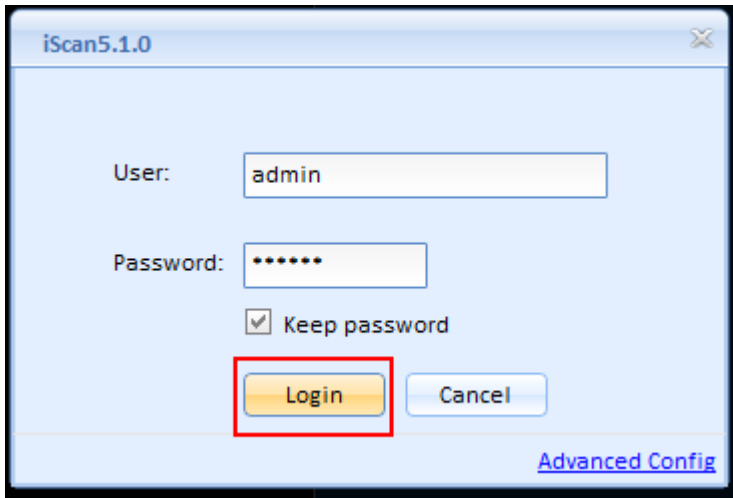
4. Open the iScanClient on your PC, check the network configuration at your first use.



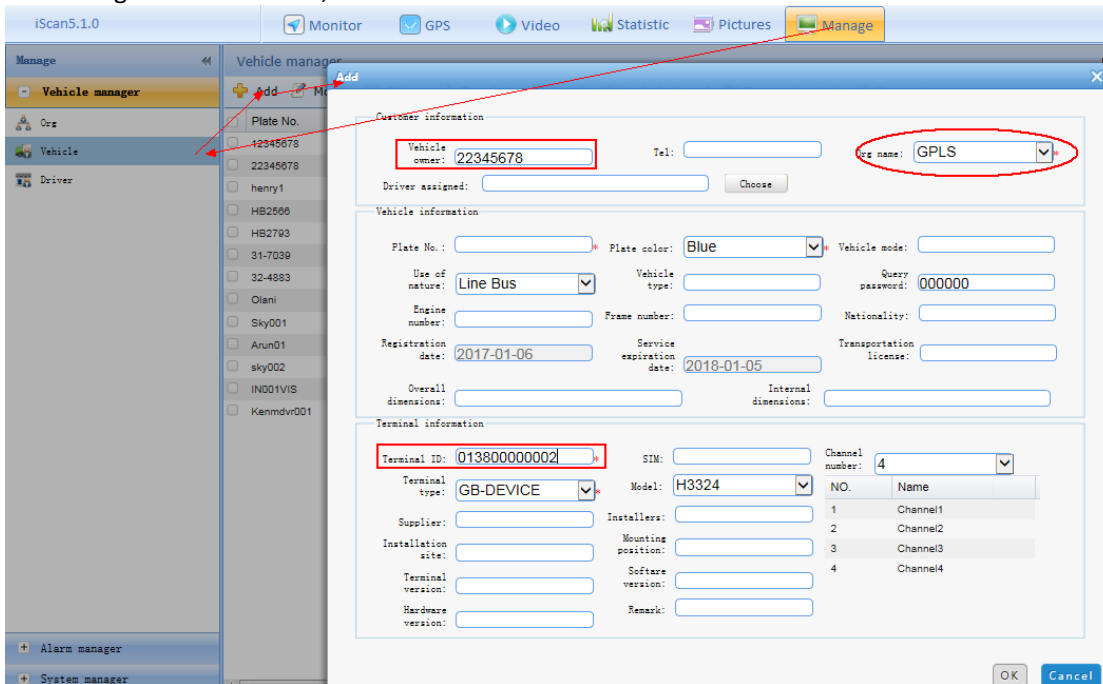
Click "Advance Config" to enter below figure.



Then login




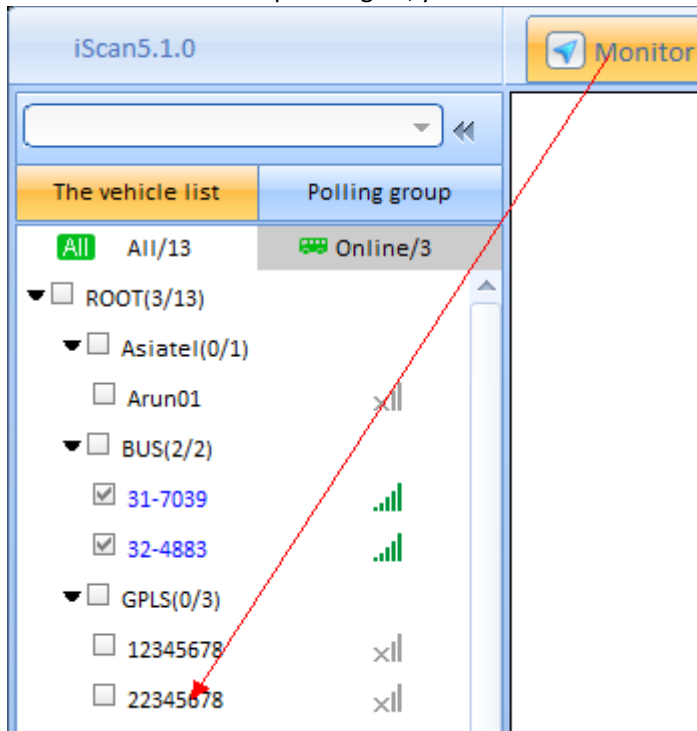
5. After login the iScanClient, add the MDVR info as below.



Make sure the two values are the same as below.

Device Status	System Info	Video Play	Video Mgmt	Video Setting	<b>Device Setting</b>	Network Se			
<table border="1"> <tr> <td>Basic Setting</td> <td>Server Setting</td> <td>Extend Setting</td> </tr> </table>							Basic Setting	Server Setting	Extend Setting
Basic Setting	Server Setting	Extend Setting							
<b>Basic Setting</b>									
Basic Setting									
Device ID	013800000002	Length 12							
Province ID	13								
City ID	0755								
Device Model	H3504								
Vehicle Color	1								
License Plate Number	22345678								
<table border="1"> <tr> <td>Save</td> <td>Cancel</td> <td>Refresh</td> </tr> </table>							Save	Cancel	Refresh
Save	Cancel	Refresh							

6. Close iScanClient and open it again, you should see the icon  which means online well.



By the way, see the "ONL" LED of the MDVR panel, it should be keep on if online well.

And also check the web config page of the MDVR, see the "Center online Status", it should showing "Online" but not show "Registering" or others.

## 2.2 Private IP Environment

If your iScanServer is just got a private IP, the MDVR and iScanClient should be in the same segment of the iScanServer. Wherein, the MDVR maynot be registered via SIM network (3G/4G), it should access LAN by Ethernet or WiFi connection to register the local iScan platform.

This case is just for testing, and not for the actual operating condition.

Make sure your windows server for iScanServer, PC for ScanClient, and MDVR are connecting to the same gateway/router, and they can ping each other properly.

### 2.2.1 Ethernet Connection of MDVR

1. Connect the MDVR to your PC, and input the static IP in the Ethernet setting of the MDVR WEB UI, as below. Make sure fill the values as below:

IP: LAN IP of this MDVR, need to avoid conflicts with other host IP in LAN  
 MASK: gateway mask, usually is 255.255.255.0  
 Gateway: your actual gateway IP  
 DNS1~DNS3: add the available DNS address.

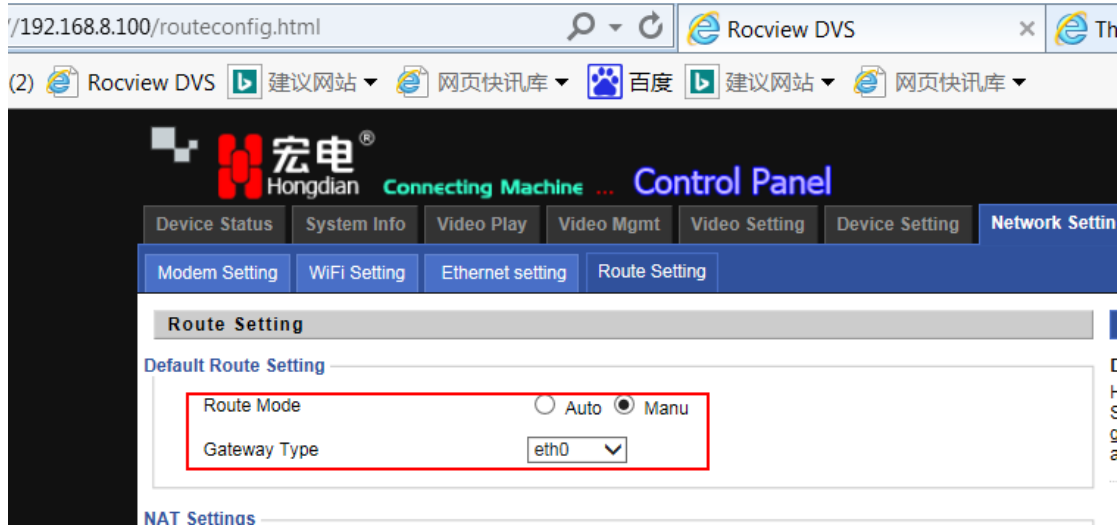
The screenshot shows the MDVR Web UI with the following settings for Ethernet:

Field	Value
IP	192.168.8.100
MASK	255.255.255.0
Gateway	192.168.8.1
DNS 1	192.168.8.1
DNS 2	
DNS 3	

Buttons at the bottom: Save, Cancel, Refresh.

2. Disconnect MDVR from your PC, and both of PC and MDVR are connect to your gateway, so that they are in the LAN, and are able to ping each other.
3. Open IE browser on your PC, input the new Eth IP of the MDVR to access WEB GUI again, and enter page of "Router Settings", select "eth0" refer to Ethernet connection.

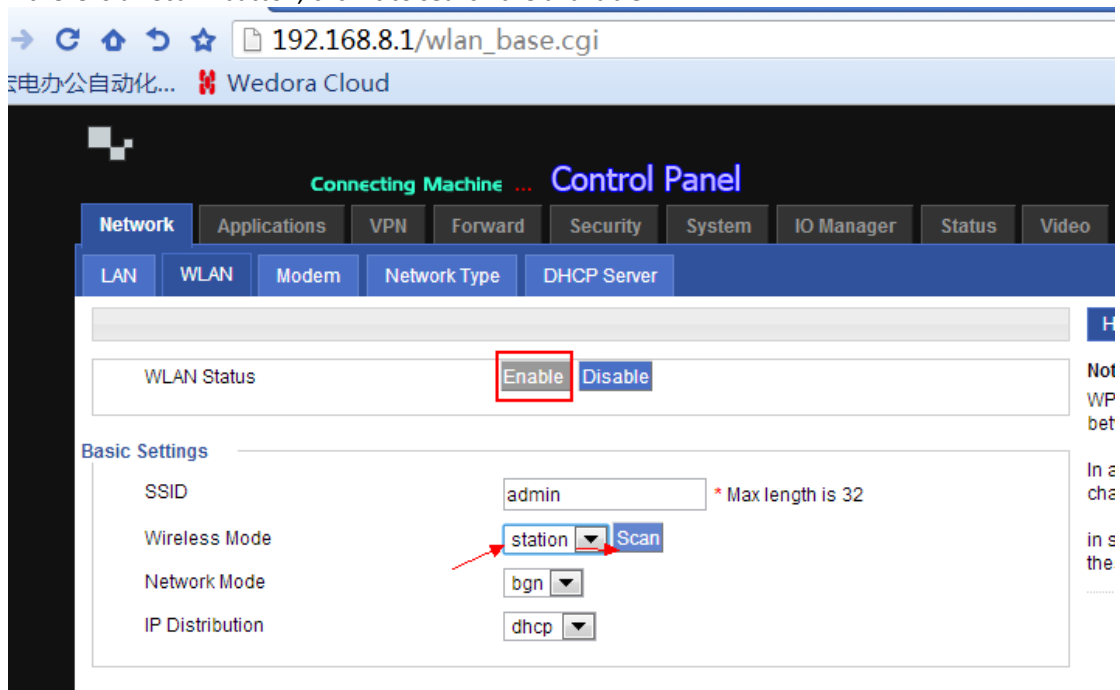




4. Next registration steps are similar to the steps in “public IP environment” of above.

## 2.2.2 WiFi Connection of MDVR

1. Your gateway router is as the WiFi AP for MDVR accessing, make sure you have open the WiFi AP.
2. Connect the MDVR to your PC, input the SSID and password of the WiFi AP in the MDVR WEB UI, as below. If there is a “Scan” button, click it to search the available AP



3. Then complete the “Encryption Settings” according to your gateway AP, wherein the “interval” value can be arbitrary.

Connecting Machine ... Control Panel

Network Applications VPN Forward Security System IO Manager Status Vid

LAN WLAN Modem Network Type DHCP Server

WLAN Status

**Basic Settings**

SSID  \* Max length is 32

Wireless Mode

Network Mode

IP Distribution

**Encryption Settings**

Security Mode

Algorithms

WPA Shared Key  \* Length is between 8 to 63

WPA Renewal Interval  \* 120-86400 s

Tips:

- WLAN Status: Enable
- SSID: Your gateway AP SSID
- Wireless Mode: station
- WPA Share Key: your gateway AP password

4. Also check the "Network Type" of the web UI, select "eth1" type, which refer to WiFi connection; or select "atu0" as the type, the MDVR can auto choose the available type.

Network Applications VPN Forward Security System IO Manager Status Vide

LAN WLAN Modem Network Type DHCP Server

Default Route

DNS Type

Interface Name

Next registration steps are similar to the steps in "public IP environment" of above.



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## **Contact us**

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