



Quick Start Guide

VMAX Flex

Digital Video Recorder



Please note that the Accessory Kit and Shipping Box contain the following items :

Items	Photo	Quantity	Items	Photo	Quantity
User Manual (DVR & Software)		1 Set 1 Set	12V DC Adaptor & Power Cable		1 Set 1 Set
CD (Manual & Software) & Quick Start Guide		1 Set 1 Set	Rubber Mount		1 Set (4 Pieces)
IR remote Control		1 Set	USB Mouse		1 Set

Administrator Default User ID: Admin and the password box is blank.

ATTENTION PLEASE !!!

This document is a Quick Start Guide.

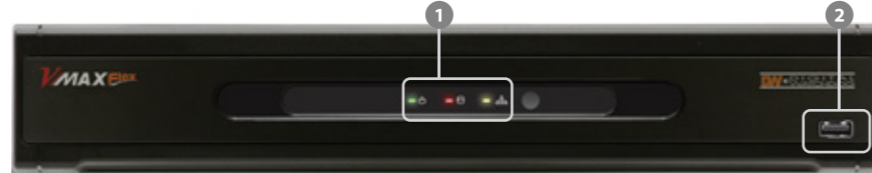
Please refer to the user manual for more detail information.

Front/Rear Panel

4/8Channel Compact Case: 11.0" W x 1.9" H x 9.6" D

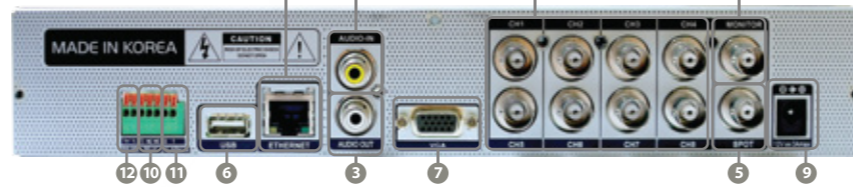
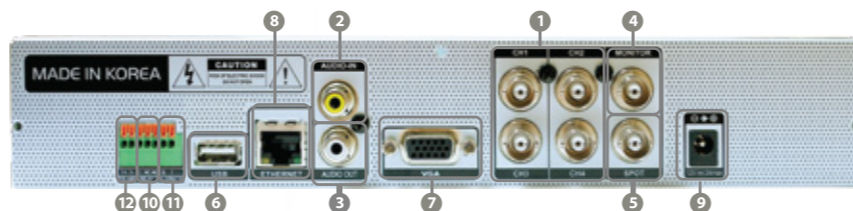


16Channel Case: 11.80" W x 2.16" H x 12.46" D

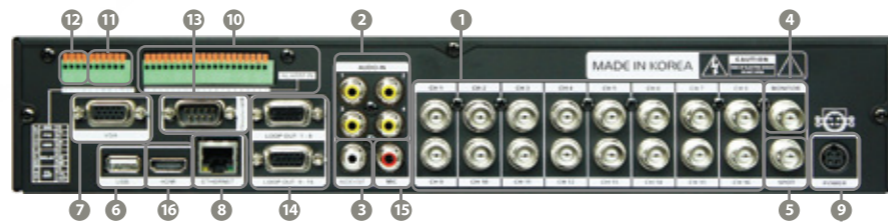


No.	Buttons	Functions
1	LED Indicator	Indicates system status Power, Record, Network
2	USB	USB port (Ver2.0) for mouse operation, backup, or FW update

4/8Channel Compact Case: 11.0" W x 1.9" H x 9.6" D



16Channel Case: 11.80" W x 2.16" H x 12.46" D



No.	Name	Description
1	Video-In	Camera (Supports NTSC/PAL)
2	Audio-In	Audio input device (with amplifier)
3	Audio-Out	Audio output device (with amplifier)
4	Video-Out	Composite Monitor
5	Spot-Out	Composite Spot Monitor
6	USB Port	USB port (Ver2.0) for mouse operation, backup, or F/W update.
7	VGA Port	VGA Monitor
8	LAN Port	10/100 Ethernet connection terminal
9	Power Input	Power supply connection (Default : 12 V, 3.33A/6.67A)
10	Sensor Input	Sensor input
11	Alarm Output	Alarm output
12	RS-485 Port	PTZ camera or external keyboard
13	RS-232 Port	RS-232 input device (Available only on 16-channel models)
14	Loop Out	Loop Out Port (Available only on 16-channel models)
15	MIC-In	MIC input device (Available only on 16-channel models)
16	HDMI Port	HDMI Monitor out (Available only on 16-channel models)

Initial Setup

Initial Setup

When all necessary cameras and monitors are setup in their desired locations, connect them to the DVR. Use the diagram in the Quick Start Guide and manual for additional information. When you are finished, connect the DVR to an appropriate power supply. The DVR will boot up automatically.

DVR Installation

1. Make sure the cameras and the monitors are properly connected to the DVR.
2. The DVR should be placed in a dust and moisture free environment. It must never be exposed to direct sun light. Server room temperature is highly recommended to reduce the chance of overheating. Overheating may cause the DVR to become unstable.
3. During the boot process, the DVR should not be interrupted. Do not press any buttons on the mouse, or remote controller. Do not unplug the power adapter or turn the DVR off during the boot process. A UPS (Uninterruptable Power Supply) is highly recommended to prevent malfunctioning of the DVR during a power outage.

First initial Boot-Up

To access the Setup Menu, right-click with your mouse anywhere on the screen. The default login information for the administrator account is:

User ID : admin

Password : Password box is blank

Main Menu

The main system menu is configured by using the Graphical User Interface (GUI). The GUI Includes comprised of six (6) sub menu groups accessed by clicking the corresponding icons: System, Device, Record, Network, Backup, and Quick Setup.

These menus and submenus are selectable via USB mouse, or the remote controller.



Navigation

Use the supplied USB mouse for easy operation. Alternatively, use the following remote controller key pad.

- Use the [OK] button click the highlighted selection.
- Use the directional arrows to navigate the menu setup.
- Use [Menu] button to enter and exit the menu or a window.

Date and Time Setup

1. Go to the SYSTEM INFO tab in System Menu. Click on the pencil icon next to Date/Time to enter Date & Time setup menu.
2. Select appropriate display format from the [DATE/TIME FORMAT] and [DISPLAY FORMAT] drop down lists.
3. Select appropriate year, month, date, hour, minute and second in the [DATE/TIME] section.
4. Select appropriate time zone from the [TIME ZONE] drop down list.
5. If appropriate, check the DST button.

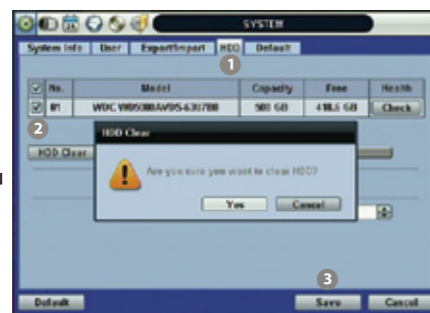


Record Setup

Hard Disk Drive Clear

When adjusting the time and data for the first time make sure to clear Hard Disk Drive.

1. Go to System Menu → HDD tab.
2. Click on the [HDD Clear] button.
3. When HDD clear is complete, exit to the main menu and reboot the DVR to save all changes.



Record Configuration

1. Go to Main Menu → Record → Record Setup.
2. Choose the desired resolution, frame rate, quality, and recording type in the drop down list for each recording type (Continuous/ Event). Individually configure the settings for each channel, or use the [COPY SETTINGS] button to apply the same configurations to multiple cameras.
3. For a more detailed record setup, mark the checkbox for [ADVANCED] in the RECORD SETUP tab.
4. When [ADVANCED] is marked, you can setup two record schedules: [Schedule 1] and [Schedule 2].
5. Go to SCHEDULE tab to setup [Schedule 1] and [Schedule 2].
6. Select a Schedule. Select the hours and days you want to apply the specific schedule. You can select individual blocks of time, or select all hours of all days of the week by clicking on [ALL].
7. You can configure the Live Stream (Resolution/FPS/Quality) setting independently by clicking the [LIVE STREAM] button in RECORD SETUP tab.

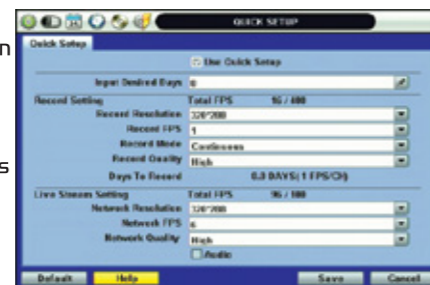


Quick Setup

Quick Setup helps the user make simple configuration for recording resolution, frame rate, recording mode, and recording periods.

The system will prioritize the Quick Setup configurations and will follow the settings regardless of the configurations set in other menus.

Users should not mark the [USE QUICK SETUP] checkbox, if he/she wants to utilize full system configuration defined in the other menus.



Note : Quick setup must be de-activated for individual configuration to apply.

After the user marks [USE QUICK SETUP] checkbox the system will ignore all other configurations set in other menus.

Network Setup (Server & DDNS)

Network Setup

Go to Main Menu → NETWORK



1. In the NETWORK tab, set Network Type to [Dynamic IP] and click [IP DETECT].
2. Once the system generates all the information based on your network requirements, you can change the Network Type to Static to save all the changes as static. You can also select [STATIC IP] and manually input all the necessary information based on your network requirements.
3. Once the Network settings are done in the DVR, access your Router by entering its IP address in an internet explorer page (this information can be found in the Network Setup page as your Gateway address).



4. Check the Port settings in your Router and setup the DVR for external connections by performing port forwarding. Contact your Network Administrator and review the manual more information.
5. Once the proper ports have been forwarded, open an internet explorer page, enter your Router's external IP address: DVR's port number (Example: 72.243.193.215:81). The DVR's web viewer will be displayed.

Note: Some Internet Service Providers block port 80 in their costumers' routers. To avoid complications, it is Recommended that you change the port number in the Network Setup page to something else (use 81 or 82, for example). For more information, contact your Network Administrator or Internet Service Provider.

Registering DDNS

Check [USE DDNS] box.

Select [duddns.net] for the DDNS Server. (Recommended)

Enter the DVR name and click [START] button to check.

Click [SAVE] after "DDNS Success" appears on the screen.

To use your DDNS address, open an internet explorer page, write the DDNS address in the address bar as followed:

dvrname.duddns.net:portnumber

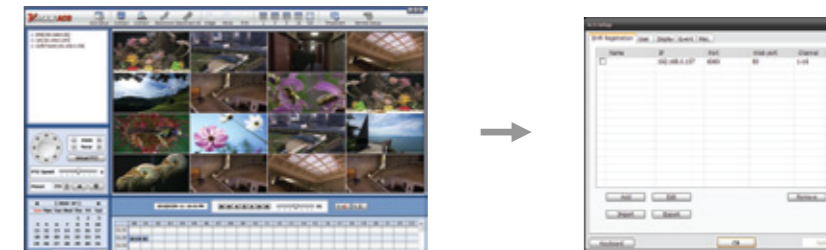


Network Setup (ACS & Web)

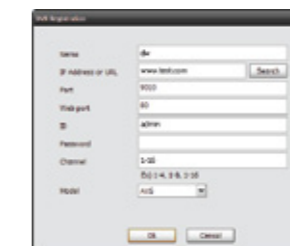
ACS(Advanced Client Software)

DVR Site Registration

- Click [ACS SETUP] button and go to DVR REGISTRATION tab.



- Click [ADD] to add a site. Click [EDIT] to edit an existing site information. Click [REMOVE] to delete a site.



Default Port # : 9010

Default Login for the ACS : administrator and password box is blank.
Default Login to a remote DVR : admin and password box is blank.

For DDNS connection, you must input the URL in the following format:
[DVR Name]. [DDNS Link]
e.g. digitalwatchdog.duddns.net

Web

Default Port # : 80

Default Login to a remote DVR : admin and password box is blank.

Open an Internet Explorer web page.

If you are connecting to the DVR from the same network, type the DVR's IP address in the address bar.

If you are connecting to the DVR from an external network (i.e the internet), type your router's external IP address and the port you assigned to the DVR in the address bar.

Enter the User ID and Password and click Enter.

The DVR's web viewer will be displayed.



Note: You will have to install Active-X Control to view video from the camera. A pop-up window will appear with you first launch the DVR's web viewer. Allow the system to install the Active-X Control.

Help

Note : The [HELP] button will help you understand how to setup several important settings such as DDNS, NOTIFICATION, BACKUP, SCHEDULE, NETWORK, and CAMERA.

For example, if you need help on how to set BACKUP, click [HELP] button at the right bottom of the BACKUP menu.

