





# User Manual for Easy Check



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# Notice

The purpose of this manual is to kindly aid the user for the operation for Easy Check.

The information in this manual was current when published. The manufacturer reserves the right to revise and improve its products. All specifications are therefore subject to change without any notice.

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# **Guarantee & Warnings**

## 1) Electrical Apparatus Safety

All installation and operation should comply with local electrical safety norms.

## 2) Transportation

In the process of transportation, storage and installation, please avoid heavy stress, violent vibration, impact and water splashing.

#### 3) Installation

Install the equipment in accordance with the requirements, handle carefully. Do not put anything on Easy Check.

#### 4) Requirements on Engineers & Technicians

All the work of checking and maintenance should be done by qualified technicians and engineers. We do not undertake any responsibility caused by unauthorized modifications.

#### 5) Requirements on Environment

The equipment should be installed and stored in a cool and dry place, away from direct sunlight, flammable or explosive substances, etc.

#### 6) Accessories

Make sure to use accessories from the manufacturer recommended in the attachment. Insulate circuit ground and metal shell for all the peripherals.

Before installation, please open the package and ensure that all parts are included. If there are any problems, please contact us as soon as possible.



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# **1. Product Characteristics**

## 1.1. Overview

Easy Check is made up of software and WIFI module.

Easy Check is a device management software running in Android tablet. People could manage the MDVR conveniently via the software when it is connected the device through WIFI, which could improve maintenance and management efficiency.

## 1.2. Features

#### **WIFI Module Features**

- 1) It is much more convenient to use the device in limited space, for it adopts extensional cord USB design;
- 2) Plug and play, and it will connect automatically via WIFI;
- 3) Support external SD card file backup.

#### Software Features

- 1) Search and find the MDVR via WIFI network in a second;
- 2) Check the status information of device;
- 3) Support multi-channel HD video real-time preview;
- 4) Support main and sub streams switch automatically when switching images;
- 5) Support video/track, speed curve playback analysis;
- 6) Support video backup and unlock the locked video;
- 7) Support the export of device alarm log, user operation log and parameter file;
- 8) Support single firmware update.

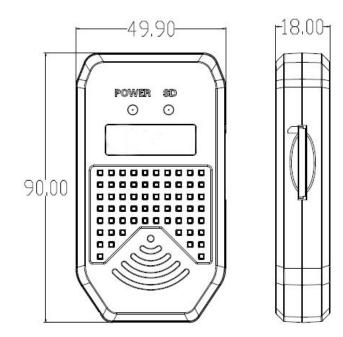
## 1.3. Specifications

Product Series		Easy Check	
Function Overview		Preview, playback, search, setting	
Sustam	Operation System	No	
System	Control Mode	WIFI	
Interface	USB	USB 2.0x1	
Interface	SD	SDx1	
	WIFI	Support(802.11b/g/n) 2.4GHz	
Network	Transmission Rate	20 Mb/s	
	Available Range	Within 10 meters	
Dewer	Voltage	DC 5V	
Power	Current	500mA@5V	
Physical Characteristics	Dimension(L x W x H)	49.9x90x18 mm	
Environment	Working Temperature	-10℃~+50℃	
Environment	Working Humidity	20%-80%(Non-condensing)	

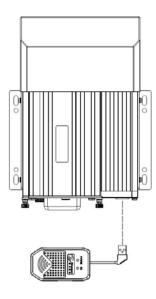
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## 1.4. Dimension

## Unit: mm



#### Diagram





Easy Check



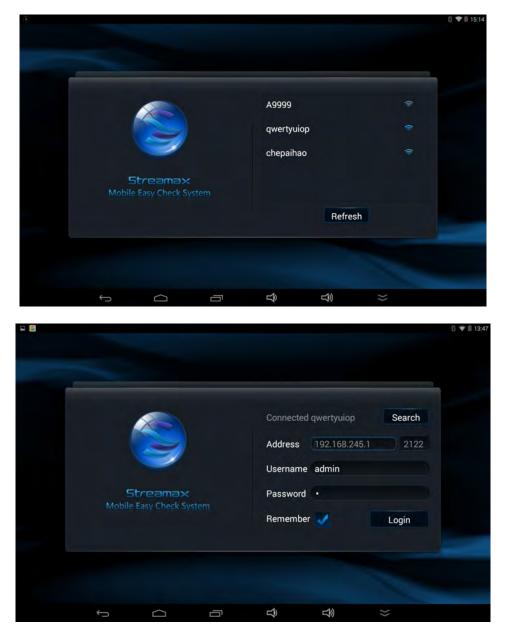
Easy Check Software

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# 2. Software Instrument

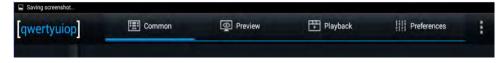
## 2.1. Software Log In

After installing the software in the pad, enter the log in interface. Click **Refresh**, the software will search WIFI device automatically in the Local Area Network. User needs to select the device, click **Login**, then it works.



## 2.2. Module Overview

There are five main modules: Common, Preview, Playback, Preference and Help.



## 2.3. Function Overview

## 2.3.1. Common

There are Basic Information, Device Module, Storage Device and Version Information.1) Common: It displays the fault log report of device.

S 8						() 🗣 🖩 13:47
qwertyuiop	Com	mon	Preview	Playback	III Preferences	_ 1
Basic Information			Current Status	History Status		
0	Video Status	Channel3	There is an error	r. Please check the	camera.	
ဝ်ဇ္ဇဝ် Device Module	Storage Status	Hard Disk 2	The hard disk do	oes not exist.Please	e check it.	
		SD Card 3	The hard disk do	oes not exist.Please	e check it.	
Storage Device		SD Card 4	The hard disk do	oes not exist.Please	e check it.	
i						
Version Information						
Other						
	5		Γ Î		*	

2) **Device Module**: It displays the details of communication modules.

[qwertyuiop]	Common	Preview	F Playback	III Preferences	
<b>Basic Information</b>	Communication Module 1	Network Type	Unknown		
20		Module Status	Not Existing		
Device Module		SIM Card Status	Not Existing		
		Signal	24		
Storage Device		Dial Status	Unknown		
i	Communication Module 2	2Network Type	Unknown		
Version Information		Module Status	Not Existing		
Other		SIM Card Status	Not Existing		
	Ĵ.	6		~~	

3) Storage Device: It displays the current status of storage device and could format the device.

S 📕					0	🗢 🗏 13:48
qwertyuiop	E Commo	n 💿 Prev	view	Playback	iii Preferences	. 1
Basic Information	Storage Name	Total/Remain	Formatting			
(2)	Hard Disk 1	500.0GB/2.6GB				
Ó Ó Device Module	Hard Disk 2	Not Existing				
	External SD Card	Not Existing				
Storage Device	Internal SD Card	Not Existing				
i	USB	32.0GB/31.8GB	G			
Version Information						
Other	t A	ā	Ľ)	Ŷ	8	

4) **Version Information**: It displays Device Model, Firmware Version and MCU Version. Besides, user could upgrade the firmware and MCU.

🖬 🍯				0	🗢 🗌 13:48
[qwertyuiop]	Commo	on 👰 Preview	Playback	III Preferences	1
Basic Information	Device Model	MDVR			
0	Name	Current Version	Upgrade		
600 Device Module	Firmware Version	T14111420	ŵ		
8	MCU Version	X7-STM32-MCU-T1409290	1		
Storage Device	Peripheral				
6	CP4 Version	CP4-M-STM8-MCU-T41030	2 🗘		
Version Information					
Other					
	r O		» <b>⇔</b>	*	

5) **Other:** It displays Export alarm log, Export user log, Export configuration file, Export black box file and Restore default settings.

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[qwertyuiop]	Common	Preview		Playback	III Preferences	
<b>Basic Information</b>	Name	Operation				
<i>,</i> 0,	Export alarm log					
600 Device Module	Export user log	B				
	Export configuration file	B				
Storage Device	Export black box file	B				
i	Restore default settings	Ø				
Version Information						
Other						
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## 2.3.2. Preview

It display the split screens of 1 channel or 4 channels. However, user needs to switch the channels by turning pages when there are more than 4 channels. If the current channel is IPC, it automatically switches to main stream from sub-stream as the single channel is amplified.



**Sound on/off**: User can turn on or turn off the sound when previewing. The icon will display in the preview interface.

## 2.3.3. Playback

There are Alarm Calendar, Locked Calendar and Video Calendar. The steps to playback:

1) Search, then enter the playback interface, and start to search date.

wertyuiop	📰 Con	nmon	Ģ	Preview	Ē	Playback		Preferences	
Select Date:									
November							1	<ul> <li>Alarm video</li> <li>Locked video</li> </ul>	
November	2	3	4	5	6	7	8	- Video	
	9	10	11	12	13	14	15		
	16	17	18	19	20	21	22		
2014	23	24	25	26	27	28	29		
	30								
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2) Select Stream Type and Channel.

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qwertyuiop		E Co	mmon	Q	Preview		Playt	ack	lili Prefer	ences
Search Term:										
Date	-	2014-11-19								
Stream Type	-	Main Stream								
Channel	1	2		4	5	6	7	8	Select All	
	<b>2</b> 9	10	11	12	13 🛃	14	15	16	V Select All	
5 Back										Next
	Ĵ		$\bigcirc$	5	-	1)	ل گ		*	

3) Enter the playback timeline interface, select the desired playback point, click **play**. Meanwhile, user can have video clips, unlock, backup and other operations.



4) Access the video playback interface, user can stop the current playback, fast forward, rewind, slow play, frame play and other operations.





## 2.3.4. Preference

1) **Register info**:User can set the information of device, vehicle and driver.

R 📕				0	🗢 🔳 13:50
qwertyuiop	Common	Preview	Playback	III Preferences	1
Basic Setup					
C Reputer Inc.	Device Info				
O Time setup	Serial number		0083000001		
() Startup	OMS ID		2233		
Luser setup	Vehicle Info		2233		
Network	Vehicle Num		qwertyuiop		
Application	Vehicle Plate		qazxsw123		
Surveillance	Line number		12764358		
Live View	Driver Info				
	Driver number		济德昌		
E Record	Driver name		燃阀她尕尬嘎		
IPC setup					
10 Identifier				Se Se	ave
General					
Fol over contine					
<del>.</del>	n (j	Ū		**	

2) **Time Setup**: User can alter the current time system, such as date format, time format, and time zone etc.



R 👩					0 🗢 🛛 13:51
qwertyuiop	Common	Preview	Playback	Preferences	1
Basic Setup Register Info Begister Info Startup Startup Surveillance Live View Record Surveillance	General Time Sync Manully Date/Time Auto GPS NTP sync Center Server	DST	2014-10-21 13: 50: Change system time	56 Syne with PC	
IO Identifier				Default	Save
		ل ل	ŝ	}}	

R 🐻				🛿 🗘 🗐 13:51
[qwertyuiop]	E Common	Preview	Playback	III Preferences
Basic Setup				
Register Info	General Time Syne	DST		
Time setup	Enable		100	
🖒 Startup	Offset		One hour	
💄 User setup	Mode		Week	
Network	Start		MAR. 2ND Sun	day 2 : 00: 00
Application	End		NOV. 1ST Sun	day 2 : 00: 00
Surveillance				
Live View				
Record				
IPC setup				Default Save
IO Identifier				
General				
Fol care Catting				
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3) **Startup**: User can set up ON/OFF mode, Regular boot time, sleep mode and other low-voltage protection.

R 🚳							0 🐨 🛙 13:51
qwertyuiop		ommon	Previe	N	Playback	Preferences	
Basic Setup							
() Register Info	ON/OI	FF Sleep					
O Time setup	ON/	OFF mode			Ignition or Timer	100	
🖒 Startup		Shutdown Delay			60 S		
💄 User setup		Shutdown Reco	rd		30 S		
Network		Timer From			08: 00: 00 To 13:	00: 00	
Application							
Surveillance							
Live View							
Record						Default	Save
IPC setup							
IO Identifier							
General							
Fol come Catting							
	↓	$\Box$	Ū	$\widehat{D}$	t))	))	

Saving screenshot					
qwertyuiop	E Common	Preview	Playback	III Preferences	4
Basic Setup Register Info Time setup User setup User setup	ON/OFF Sleep Sleep mode Low voltage protection Shutdown voltage		No consuption stand		1
Application	Start up voltage Upload to server		12.5 V (12-14V		
IO Identifier				Default Sa	ve
Fal		٦ 1	<del>以</del> 》	×	

4) **User setup**:User can set idle time, add, delete or edit user information.

🖂 👩				5 4	💎 📃 13:51
qwertyuiop	Common	Preview	Playback	Preferences	1
Basic Setup Register Info Time setup Startup Uter setop	Idle Time 1 Minute User management	Us	ier name	User group	
Network	O Add	Delete Edit			
Surveillance				Defauit Sa	ve
Fol Care Cattion	t á	€ D	Ŕ	>>	

5) **Network**: User can configure server connection and network, such as wire network, WIFI and 3G/4G.

				6 Q	🗣 🖩 13:51
[qwertyuiop]	E Common	Preview	Playback	Preferences	. :
Basic Setup					
Register Info	Local WIFI	Server setup			
① Time setup	Local				
C Startup	DHCP mod	e			
💄 User setup	O Static IP				
Retwork	IP address		192.168.20.126		
Application	Subnet ma	sk	255.255.255.0		
Surveillance	Gateway  Auto get DI	NS	192.168.20.251		
1 Live View	O Use followi	ing DNS			
Record	Preferred [	ONS server	192.168.1.1		
and IPC setup	Alternate D	INS server	192.168.1.1		
IO Identifier	MAC address		00:18:F5:00:A2:76		
General	Direct connect Port				
Fall Para Cattion	Media port		2122		
ť,	D	₽ 1	L)	}}	



qwertyuiop	Common	Pre	view	Play	/back		III Preferences	
Basic Setup () Register Info () Time setup	Local V Server1	VIFI Server setup Server2 Server3	Server4	Server5	Server6	Add	Delete	
Startup     User setup     Setup     Setup     Application	ON Protocol typ Network Mo Message se	e de		N9M Local		- Auto	our court	
Surveillance Live View Record Record	Message Po Media serve Media Port			5556 192.168, 6000	1.0			
IO Identifier		a	Ъ Д	Ŷ		*		Save

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For more information, please visit our website www.en.streamaxtech.com

6) **Live View**: There are Preview, Sub-stream and Live OSD.

Preview: User can set information of startup screen and auto loop.

**Sub-stream**: User can set information of current bandwidth and network transmission mode. **Live OSD**: User can set information of time, vehicle speed, vehicle number, GPS, alarm etc.

■					0 *	7 13:52
qwertyuiop	Common	@ P	review	Playback	III Preferences	
Basic Setup						
(i) Register Info	Preview Sub-stream	am Live OSD				
① Time setup	Startup screen			Quad		
🖒 Startup	Channel			D1 D2 D3 D	4 5 6 7 8	
💄 User setup						
Network	Preview audio			■ 17 ■ 18 ■ 19 ■	20	
Application	Auto Loop					
Surveillance	Screen	Mode	Channel	Duration	Setup	
Live View	1.	1X1		105		
Record	2	1X1	2	105		
IPC setup		1X1	3	105		
IO Identifier	4	1X1		105		
General	5	1X1 1X1	5	10S 10S		
Fol care carrier	7	121	7	105		
ţ		Ē	Ŷ	反	>>	
12 <b>3</b>					G K	♥ 🔲 13:5
qwertyuiop	Common	@ P	review	Playback	Preferences	1
Basic Setup						
Basic Setup	Preview Sub-stree	am Live OSD				
		am Live OSD		3122 kbps		
Register Info	Preview Sub-stree Bandwidth Transmit mode	am Live OSD		3122 kbps Normal fluent		
<ul> <li>Register Info</li> <li>Time setup</li> </ul>	Bandwidth	am Live OSD				
<ul> <li>Register Info</li> <li>Time setup</li> <li>Startup</li> </ul>	Bandwidth	am Live OSD				
<ul> <li>Register Info</li> <li>Time setup</li> <li>Startup</li> <li>User setup</li> <li>Network</li> </ul>	Bandwidth	am Live OSD				
Register Info     Time setup     Startup     User setup	Bandwidth	am Live OSD			Default	IVE
<ul> <li>Register Info</li> <li>Time setup</li> <li>Startup</li> <li>User setup</li> <li>Network</li> <li>Application</li> </ul>	Bandwidth	am Live OSD			Default	we
<ul> <li>Register Info</li> <li>Time setup</li> <li>Startup</li> <li>User setup</li> <li>Network</li> <li>Application</li> </ul>	Bandwidth	am Live OSD			Default	we
Register Info     Time setup     Time setup     Startup     User setup     Network     Application  Surveillance     Record     Record	Bandwidth	am Live OSD			Default	we
<ul> <li>Register Info</li> <li>Time setup</li> <li>Startup</li> <li>User setup</li> <li>Network</li> <li>Application</li> </ul> Surveillance Encord Record IPC setup	Bandwidth	am Live OSO			Default	IVE
Register Info     Time setup     Time setup     Startup     User setup     Network     Application  Surveillance     Record     Record	Bandwidth	am Live OSD			Default	we

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Saving screenshot_					
qwertyuiop	Common	Preview	Playback	III Preferences	1
Basic Setup					
<ol> <li>Register Info</li> </ol>	Preview Sub-strea	am Live OSD			
① Time setup	Date/Time		2		
🖒 Startup	Speed				
💄 User setup	Vehicle num		Ø		
Network	GPS		2		
Application	Alarm				
Surveillance	Channel name		5		
Di Live Mann	Device ID		Ø		
E Record				Default S	ave
FIPC setup					
IO Identifier					
General					
Fol com contine					
÷				>>	

7) **Record**: There are General, Main Stream, Dual Stream and OSD. User can set information of video type, overwrite etc.

🖾 🚪				0 4	🗢 🔳 13:52
[qwertyuiop]	E Common	Preview	Playback	III Preferences	
Basic Setup					
() Register Info	General Main stre	am Dual stream OSD			
① Time setup	Video type		PAL		
() Startup	Overwirte		By days	7 Day	
💄 User setup	Lock duration		7 Day		
Network	Pre-recording		15 Min		
Application					
Surveillance					
Live View					
Record				Default	ave
IPC setup					
IO Identifier					
General					
Foll case Catting					
<del>(</del>		4		)} }	

qwertyuiop	Common	Preview	Playback	Preferences	
Basic Setup					
Register Info	General Main strea	am Dual stream OSD			
Time setup	Channel				
() Startup	Channel Name		CHI		
Luser setup	Enable				
Network	Resolution		WD1		
Application	Frame rate		25		
Surveillance	Quality				
	Record mode		Power up		
Live View	Audio		2		
E Pesses	I Frame				
IPC setup	Alarm quality				
IO Identifier	Encode mode		VBR		
General	Copy channel 1	To channel Se	lect all Copy		
Foll Case Cattion	$\sim$			*	





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8) **IPC Setup**: User can add IPC in local network via automatic/manual search as the input video of MDVR channel.

					0 A	👻 📕 13:53
qwertyuiop	Common	Ø	Preview	Playback	III Preferences	
Basic Setup						
(i) Register Info	Device channel	Enable	IP and Port	Outside	Setup	
Time setup					8	
🖒 Startup	2					8 I I
💄 User setup	3	2	10.100.100.3:900	5 🔳	9	
Network	4				06	•
Application	5				81.E	
Surveillance	6				000	e 1
Live View						6 I
Record	8				() E	6 I.
ET IPC setup				Fast setup	Default	ave
IO Identifier				Fast setup	Derault	ave
General						
Fol como						
ţ		Ī	ß	Î	>>	

9) General: There are Sensor, Serial Port and Speed.

qwertyuiop	Common	Preview	Playback	Preferences	÷ 13
	Sensor name		Sensori	101	
👤 User setup	OSD Name		S1		
Network			I HER ADDRESS I		
Application	Copy Sensor1	To channel All	Сору		
Surveillance				Default	re
Live View					
Record					
IPC setup					
0 Identifier					
General					
Snap Setting					
Alarm					
O Common					
÷				*	

10) **Alarm**: It displays the information of alarm types and linkage, such as overspeed, panel button and switch.

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II						_		G 🛠 *	🗣 🖩 13:5
qwertyulop	L	-eeninen		Preview		Playback		Preferences	1
(i) Register Info	Spe	eed alarm Par	nel alarm	IO alarm					
Time setup		Name	Enable	5	Alarm typ	ië i	Trigger	Linkage	
🖒 Startup		Overspeed			General		Setup	Setup	
💄 User setup									
Network							Def	ault Sav	e
Application									
Surveillance									
Live View									
Record									
IPC setup									
IO Identifier									
General									
Snap Setting									
Alaem									
	Ĵ	$\Box$		51	$\widehat{U}$		))		

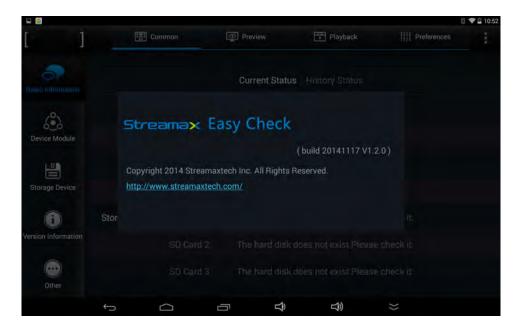
## 2.3.5. Help

It displays the files to help solve problems

[ ]	Com	mon	Preview	Playback	III Preferences	
S Basic Information			Current Statu	us History Status		🕜 Help
		Channel17	Is Not Enable		(	About
Device Module		Channel18	Is Not Enable	d	c	Logout
8		Channel19	Is Not Enable	d		
Storage Device		Channel20	Is Not Enable	d		
i	Storage Status	Hard Disk 1	The hard disk	does not exist.Please	check it.	
Version Information		SD Card 2	The hard disk	does not exist.Please	check it.	
Other		SD Card 3	The hard disk	does not exist.Please	check it.	
	6 0	$\sim$	л <del>С</del> )	<b>(</b> ))	>>	

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About: It displays the information of Easy Check version and owner.



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