User Manual For 4G Router

1. PRODUCT CHARACTERISTICS

1.1. OVERVIEW

Streamax 4G Router is specially designed for mobile digital video recorder and remote video surveillance, which is cost-effective, high-speed and low power consumption industrial-grade wireless router. It uses 4G high-speed wireless network as a data bearer network for remote devices and servers to provide secure high-speed wireless connection. It definitely meets the large capacity data transmission need of mobile DVR. With strong anti-vibration capability, simple & exquisite appearance, dust-proof design, low power consumption, compact size, light weight and easy installation, it is reliable and stable. Besides, the router uses industrial metal shell and can shield electromagnetic interference, whose antenna is also with lightning protection design.

1.2. SPECIFICATIONS

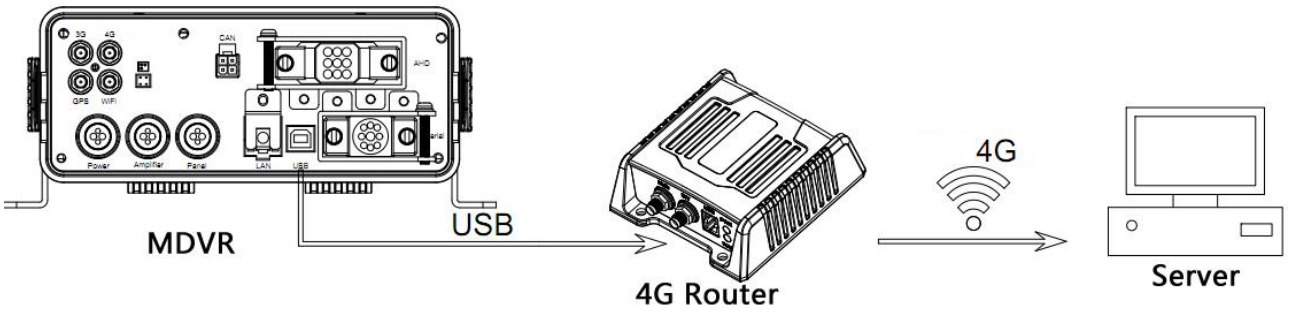
Model		SVT-P4GRouter（1.0）
Parameter	Wireless module	MC7354
	Standards and frequency bands	LTE six Frequency Bands 2/4/5/13/17/25
	Communication bandwidth	LTE: 50Mbps / 100Mbps(20Mhz) ;25Mbps / 50Mbps(10Mhz) 5.76Mbps / 42Mbps(HSPA+ rates)
	Transmission power	<23dBm
	Receiver sensitivity	<-97dBm
	Features	supports data transmission, not voice, SMS or other functions
Port	Antenna interface （SMA Female head）	One main antenna interface (Installing antenna is essential); One auxiliary antenna interface (To enhanced RX signal)
	SIM card interface	One
	USB interface	With locked USB Interface (Power & Data transfer)
	PWR	Power indicator light: Light on when device works Light off when power off.
	WAN	Wireless network indicator: Light on when module dials normally light is lit, Light flashing when data is transmitting Light off when the module is not detected or malfunction
Power consumption	Input voltage	DC 5V
	Standby power consumption	≦100mA@5V DC
	Max. power	≦1500mA@5V DC

	consumption	
Working environment	Operating temperature	-40℃~ +70℃
	Working humidity	8%-90% (condensation)
Physical characteristics	Shell material	Metal shell (aluminum die-casting)
	Dimensions (mm)	88*80*28.6
	Weight (g)	226

1.3. PANEL INTERFACE

Serial NO.	Print	Description
1	Main	Main Antenna Interface (Installing antenna is essential)
2	DIV	Auxiliary antenna interface (Only enhanced receive signal)
3	USB	With locked USB Interface (Power & Data transfer)
4	PWR	Power indicator light: Light on when device works Light off when power off.
5	WAN	Wireless network indicator: Light on when module dials normally light is lit, Light flashing when data is transmitting Light off when the module is not detected or malfunction

1.4. SYSTEM DIAGRAM



The 4G router mainly works with Mobile DVR. When there is no built-in network communication module in the Mobile DVR, user can connect the USB interface at the rear panel of MDVR to the one of wireless 4G router to realize the long-distance audio & video data transmission of MDVR through 4G wireless network .

1.5. Note

The 4G Router is specially designed and produced by Streamax Technology. User is supposed to used it with specialized 4G antenna.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.