



A681B External TV Tuner User Manual

Specialized TV Format: ATSC 1.0 / QAM

Applicable to: PC Computers / Laptops

Operating system: Windows 7 / Windows 10 / Windows 11

Note: Not compatible with Apple computers



Mygica Official Website: www.mygica.com/support
CS Email: GeniatechCS@163.com / cpf@geniatech.com

If you encounter any problems during use, please contact us through the above email and we will do our best to serve you

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1. Product introduction

1.1 What is this product?

Mygica A681B is an external TV tuner that can help you watch TV programs that can only be seen on home TV sets on PCs and laptops. It receives TV signals through an antenna and decodes and plays them on the computer through specific software (download required).

In the United States, the TV signal formats supported by A681B are: ATSC 1.0, QAM.

1.2 What are the advantages of watching TV on a computer?

Computers are usually WiFi signals, which are different from the signal sources of ordinary home TVs, and there is a delay in network signals. For example, when watching an NBA basketball game, the TV signal is broadcast in real time, while the online TV played on the computer may have delays or network freezes.

A681B TV tuner can realize the function of watching free digital TV programs on the computer without WIFI/4G network signal, making it convenient for users who like to watch TV.

1.3 Is it free to watch TV with a tuner?

Yes, it is completely free. But it should be noted that you can only watch free TV programs, and some TV programs that require payment to watch are not supported.

1.4 How clear is the TV signal?

The video clarity supported by this TV tuner is HD 1080P.

1.5 Regions/countries where this product can be used?

Supported countries: United States, Canada, Mexico, South Korea.

1.6 Things to know before using this product

1) The strength of the TV signal will be affected by factors such as terrain, obstruction, weather, and remote areas. If the signal is poor

when using this product, it is recommended that you install an outdoor antenna if conditions permit, replace the small antenna receiver that comes with this product with the outdoor antenna, and connect it to the tuner.

- 2) When using this product, you need to reserve a certain amount of storage space on your computer.
- 3) When playing a TV program, do not unplug the device directly. You should turn off the TV program first and then unplug the device. Unplugging the device directly will interrupt the playback and may damage the device.

Important: To use this product, you need to install the driver and download the playback software. Please read the instructions carefully and install the driver and playback software -- HiDTV according to the instructions.

2. Product and Accessories Introduction

2.1 What's in the box?



A681B External
TV tuner



TV Signal Receiving
Antenna



TV Signal Receiving
Antenna Base



TV Signal Receiving
Antenna Fixing Clip



Interface Converter



User Manual

3. Instructions

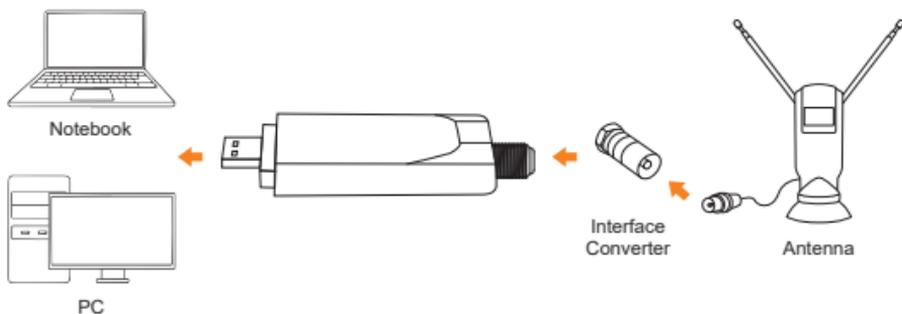
3.1 How to use this product? (For Windows computers)

In general, you only need to complete three steps:

Step 1: Connect the TV tuner A681B to the computer.

Step 2: Download the driver and playback software "HiDTV" from the Mygica official website.

Step 3: Install the driver and playback software HiDTV.



A681B connection diagram



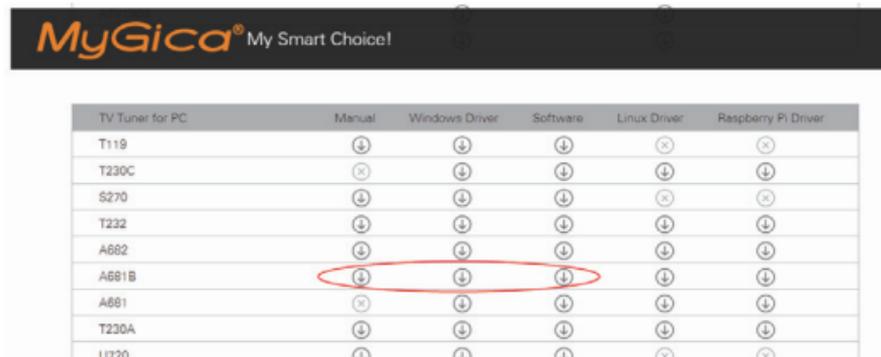
A681B physical connection diagram

3.2 Step 2 Instructions: Where to download the driver and playback software HiDTV?

On the Mygica official website, the URL is:

<https://www.mygica.com/support/>

Please see the website screenshot below. The electronic version of the manual can also be downloaded from the official website.



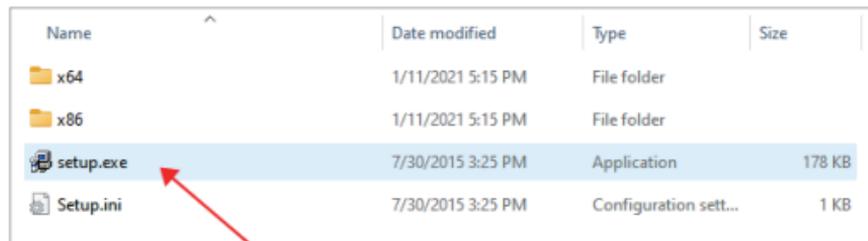
TV Tuner for PC	Manual	Windows Driver	Software	Linux Driver	Raspberry Pi Driver
T119	↓	↓	↓	⊗	⊗
T230C	⊗	↓	↓	↓	↓
S270	↓	↓	↓	⊗	⊗
T232	↓	↓	↓	↓	↓
A682	↓	↓	↓	↓	↓
A681B	↓	↓	↓	↓	↓
A681	⊗	↓	↓	↓	↓
T230A	↓	↓	↓	↓	↓
U720	↓	↓	↓	⊗	⊗

Mygica Official Website Download Page

3.3 Step 3 Description: How to install the driver and playback software? (For Windows computers)

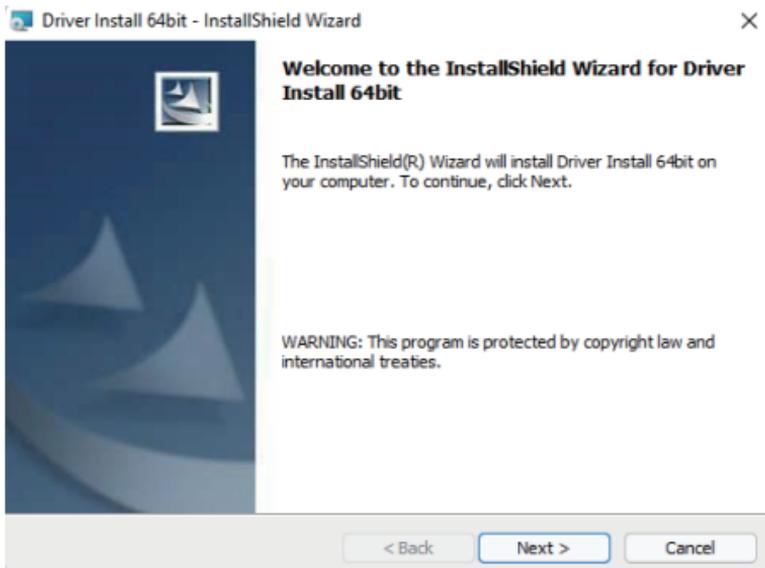
3.3.1 Driver installation: Unzip the downloaded driver and click "Next" until completed.

** Special note: Due to the Windows system firewall, installation warnings and error reminders may appear. Don't worry, just install until it is completed.*

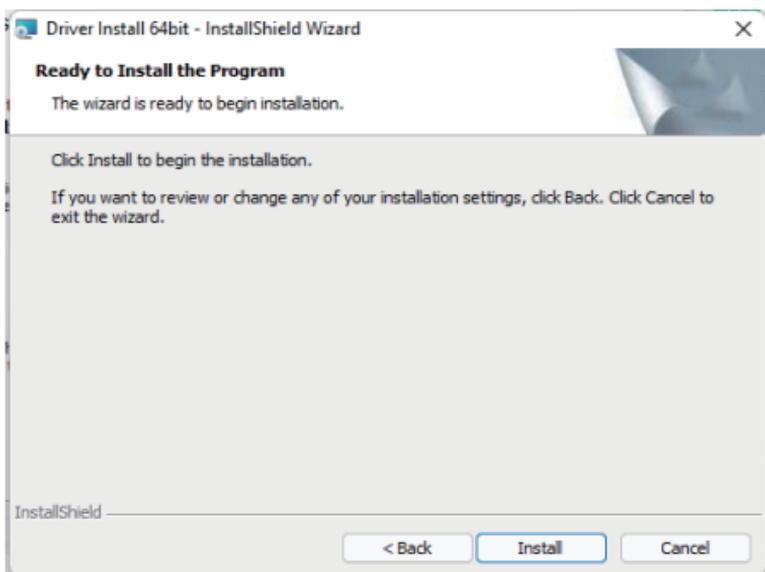


Name	Date modified	Type	Size
x64	1/11/2021 5:15 PM	File folder	
x86	1/11/2021 5:15 PM	File folder	
setup.exe	7/30/2015 3:25 PM	Application	178 KB
Setup.ini	7/30/2015 3:25 PM	Configuration sett...	1 KB

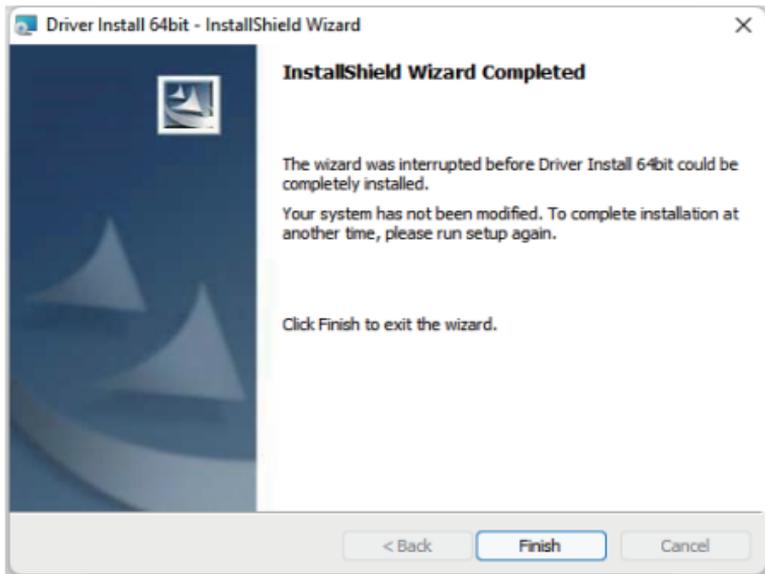
Driver installation diagram 01



Driver installation diagram 02



Driver installation diagram 03

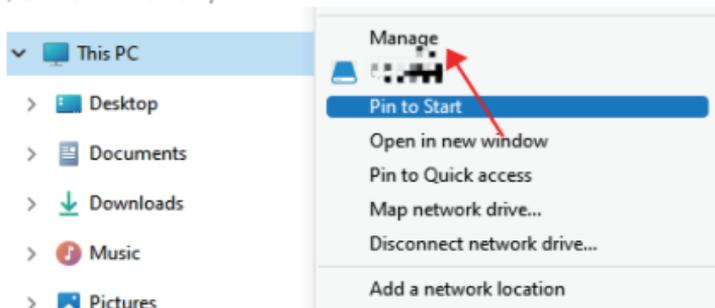


Driver installation diagram 04

How to check whether the driver is successfully installed?

To check whether the driver is successfully installed: right-click "My Computer" -- "Device Manager" -- "Sound, Video and Game Controllers" -- "ATSC/CQAM USB Stick"

** Note: If the driver installation fails, please check whether the hardware is connected properly. You can try to change another USB interface to connect A681B, or restart the computer.*



Driver installation success check diagram 01

Computer Management

File Action View Help



The screenshot shows the Windows Computer Management console. The left-hand navigation pane is expanded to show 'Device Manager' under 'System Tools'. A red arrow points to 'Device Manager'. The right-hand pane shows the hardware list for 'DESKTOP-AQEC3S9'. The 'Sound, video and game controllers' category is expanded and highlighted in blue. Within this category, 'High Definition Audio Device' is highlighted in grey, and a red arrow points to it. Other categories like 'Audio inputs and outputs', 'Computer', 'Disk drives', 'Display adapters', 'Firmware', 'Human Interface Devices', 'IDE ATA/ATAPI controllers', 'Keyboards', 'Mice and other pointing devices', 'Monitors', 'Network adapters', 'Print queues', 'Processors', 'Security devices', 'Smart card readers', 'Software components', 'Software devices', 'Storage controllers', 'System devices', and 'Universal Serial Bus controllers' are also visible.

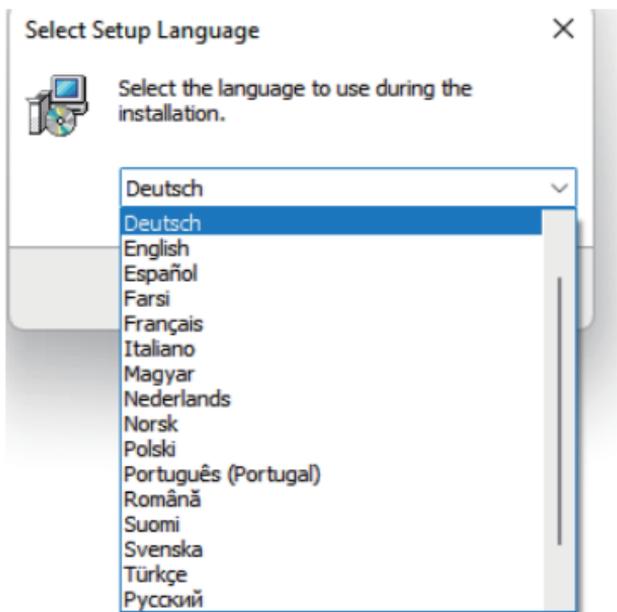
- Computer Management (Local)
- System Tools
 - Task Scheduler
 - Event Viewer
 - Shared Folders
 - Local Users and Groups
 - Performance
 - Device Manager
- Storage
 - Disk Management
- Services and Applications

- DESKTOP-AQEC3S9
 - Audio inputs and outputs
 - Computer
 - Disk drives
 - Display adapters
 - Firmware
 - Human Interface Devices
 - IDE ATA/ATAPI controllers
 - Keyboards
 - Mice and other pointing devices
 - Monitors
 - Network adapters
 - Print queues
 - Processors
 - Security devices
 - Smart card readers
 - Software components
 - Software devices
 - Sound, video and game controllers
 - AMD High Definition Audio Device
 - ATSC/CQAM USB Stick
 - High Definition Audio Device
 - Storage controllers
 - System devices
 - Universal Serial Bus controllers

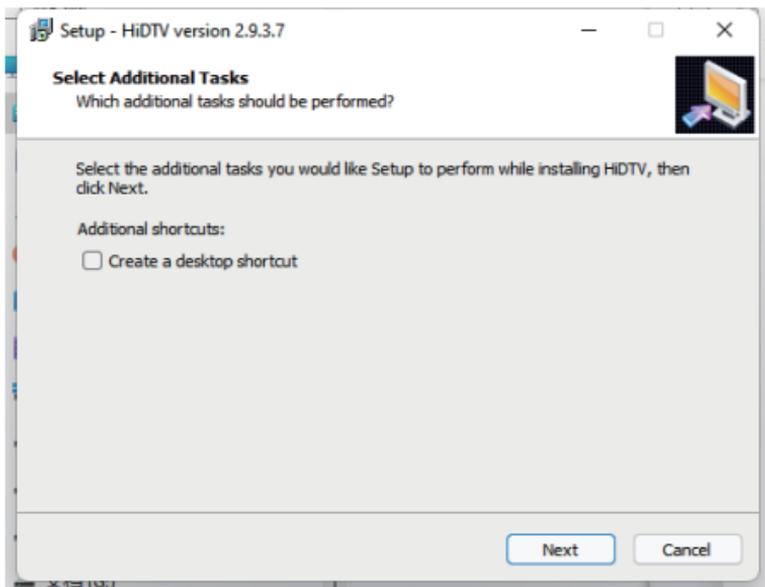
Driver installation success check diagram 02

3.3.2 Playback Software -- HiDTV Installation Guide

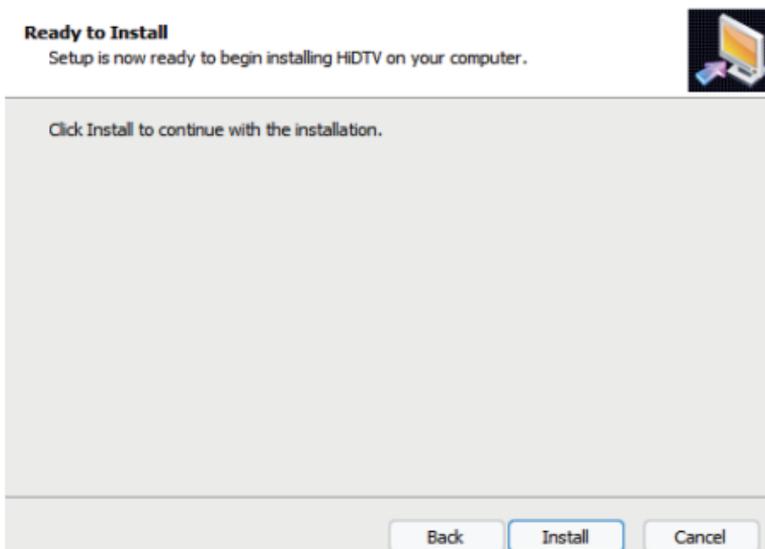
Click the downloaded HiDTV software to install it. The installation process is simple, just keep clicking "Next" until it is completed. The screenshots of the HiDTV installation process are as follows:



Playback software-HiDTV installation steps diagram 01



Playback software-HiDTV installation steps diagram 02



Playback software-HiDTV installation steps diagram 03



Completing the HiDTV Setup Wizard

Setup has finished installing HiDTV on your computer. The application may be launched by selecting the installed shortcuts.

Click Finish to exit Setup.

Finish

Playback software-HiDTV installation steps diagram 04



HiDTV desktop icon

4. Playback software — HiDTV Usage Tutorial

4.1 Introduction to HiDTV

Welcome to HiDTV. This is the most powerful multimedia application developed by Mygica brand, which allows you to watch digital TV programs through PC computers and laptops. It supports previewing and recording multiple channels at the same time.



HiDTV playback software function introduction

1	Minimize window
2	Full screen/window switch
3	Exit HiDTV software
4	Playback (time-shifting), recorded file playback
5	Video: record the current playing audio and video to the special image files
6	Stop: stop the current video program / stop the current replay video files / stop auto scan channels
7	Channel edit: scan channel automatically / rename the current channel / add favorite channel
8	Current input source or channel name display
9	Hardware description
10	Signal strength display window
11	Setting: record file format setting / hardware setting / recorded file location setting / schedule Recording setting
12	EPG: open HiDTV EPG window
13	Available channel list
14	Volume adjustment
15	Mute:
16	Time-shifting and pause of playback:
17	Recorded file playback

4.2 How to use HiDTV?

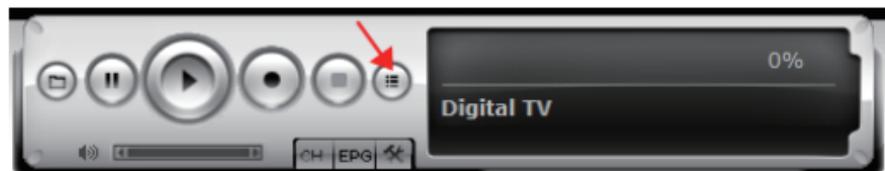
Step 1: Open the HiDTV software, click the menu button, and enter the channel scanning interface

Step 2: Select Antenna TV/Cable TV, click "Scan Channels" to scan the signal

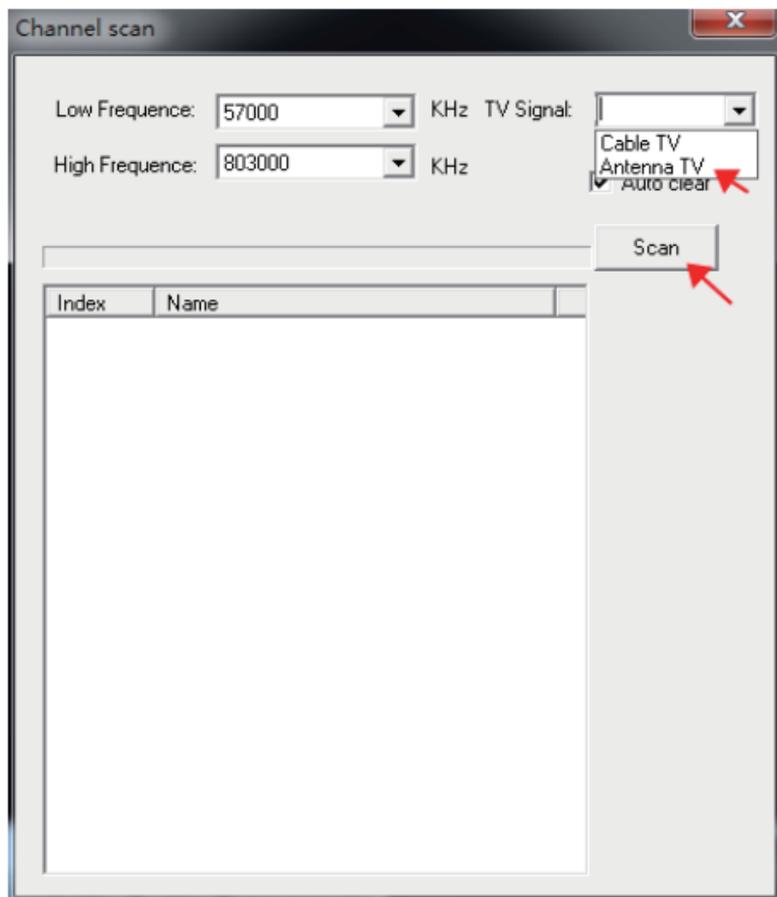
Cable TV: QAM cable signal

Antenna: ATSC air signal

Step 3: After scanning the channels, select the channel you want to watch to play.



Menu--channel scan



Select signal



HiDTV TV screen playback effect diagram

5. How to use it on Android devices?

Suppose you are not using it on a computer, but want to use it on some Android devices, such as Android TV boxes, Android car machines, Android treadmills, etc., how to do it?

You need to install the application. Please search "PadTV HD" in the Google Play Store, download and install the application.

6. What devices are compatible with Mygica A681B?

Due to the chip, the compatible devices and operating system requirements of Mygica A681B are as follows:

- ◆ Compatible with PC computers, laptops
- ◆ Operating system: Windows 7, Windows 10, Windows 11
- ◆ Linux system only supports: ubuntu 20.04.1, kernel:5.4
- ◆ Support Android devices with Android system

Incompatible devices:

- ◆ Incompatible with Apple computers, Apple operating systems.
- ◆ Incompatible with mobile phones, tablets
- ◆ Except ubuntu 20.04.1, kernel:5.4, other versions of Linux system are not compatible

7. Frequently Asked Questions

Question 1: Unable to lock any program channel during automatic scanning.

Answer:

- 1) Please check whether there are ATSC/QAM broadcast programs in your area;
- 2) Please check whether your signal conditions are too weak, try moving the antenna and rescanning, it is best to move the antenna near a window
- 3) Please check whether you have connected the antenna and tightened it
- 4) Please check that you have selected the correct country in the HidTV software scanning function page.
- 5) Please try to use an outdoor antenna and scan again.
- 6) Please check whether there is an amplifier on the antenna. If so, try to disconnect the amplifier from the antenna

Question 2: I did find some channels, but this time I received fewer channels than last time.

Answer:

- 1) Maybe you moved the position or angle of the antenna, try to find a better position and keep the antenna vertical
- 2) Weather can also affect the quality of your reception signal. If the weather is bad today, this is the reason
- 3) If you put a can of Coke on the antenna, it will weaken the signal, please move it away
- 4) In some newly launched ATSC broadcast areas, ATSC broadcast providers may change their broadcast power every day. Please try to find the best power strength.

Question 3: When I watch a program, the screen goes black or freezes on the first picture during playback.

Answer:

If you can watch the program, it means that the product function is fine, and the problem is the signal strength. You can see this from the yellow light on the top of the ATSC/QAM TV STICK. The reason is the same as question 2.

Question 4: The video can be played, but there is no sound.

Answer:

Please check the sound card or volume settings.

Question 5: Sometimes when watching TV, it freezes or slows down, and the audio is interrupted.

Answer:

- 1) Please check your laptop configuration. Is it an i5 3400 or higher processor? ATSC/QAM TV STICK requires a high-performance CPU to decode the ATSC stream.
- 2) Please check if your VGA driver is properly installed and updated.
- 3) Please do not run multiple applications that occupy CPU resources at the same time, such as games and CAD.

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