

TV BOX TB 01 User Guide

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1 Safety information

This section contains important information about the operation of your device. It also contains information about how to use the device safely. Read this information carefully before using your device.

Electronic device

Do not use your device if using the device is prohibited. Do not use the device if doing so causes danger or interference with other electronic devices.

Interference with medical equipment

- Follow rules and regulations set forth by hospitals and health care facilities. Do not use your device where prohibited.
- Some wireless devices may affect the performance of hearing aids or pacemakers. Consult your service provider for more information.
- Pacemaker manufacturers recommend that a minimum distance of 15 cm be maintained between a device and a pacemaker to prevent potential interference with the pacemaker. If using a pacemaker, hold the device on the side opposite the pacemaker and do not carry the device in your front pocket.

Areas with flammables and explosives

- Do not use the device where flammables or explosives are stored (in a gas station, oil depot, or chemical plant, for example). Using your device in these environments increases the risk of explosion or fire. In addition, follow the instructions indicated in text or symbols.
- Do not store or transport the device in containers with flammable liquids, gases, or explosives.

Traffic security

- Observe local laws and regulations while using the device. To reduce the risk of accidents, do not use your wireless device while driving.
- Concentrate on driving. Your first responsibility is to drive safely.
- RF signals may affect the electronic systems of motor vehicles. For more information, consult the vehicle manufacturer.
- Do not place the device over the air bag or in the air bag deployment area in a motor vehicle. Doing so may hurt you because of the strong force when the air bag inflates.

- Do not use your device while flying in an aircraft or immediately before boarding. Using wireless devices in an aircraft may disrupt wireless networks, present a hazard to aircraft operation, or be illegal.

Operating environment

- Avoid dusty, damp, or dirty environments. Avoid magnetic fields. Using the device in these environments may result in circuit malfunctions.
- During thunderstorms, power off your device to protect against lightning strikes.
- Do not use your device during thunderstorms to protect your device against any danger caused by lightning.
- Ideal operating temperatures are 5 °C to 35 °C. Ideal storage temperatures are –20 °C to 60 °C. Extreme heat or cold may damage your device or accessories.
- Do not expose your device to direct sunlight (such as on a car dashboard) for prolonged periods.
- To protect your device or accessories from fire or electrical shock hazards, avoid rain and moisture.
- Keep the device away from sources of heat and fire, such as a heater, microwave oven, stove, water heater, radiator, or candle.
- Do not place any object, such as a candle or a water container, on the device. If any foreign object or liquid enters the device, immediately stop using it, power it off, and remove all cables connected to it. Then, contact an authorized service center.
- Stop using your device or applications for a while if the device is overheated. If skin is exposed to an overheated device for an extended period, low temperature burn symptoms, such as red spots and darker pigmentation, may occur.
- Do not touch the device's antenna. Otherwise, communication quality may be reduced.
- Do not allow children or pets to bite or suck the device or accessories. Doing so may result in damage or explosion.
- Observe local laws and regulations, and respect the privacy and legal rights of others.
- The device should be installed and operated with a minimum distance of 20 cm between the radiator and your body.
- Keep the device in a place with good reception. The distance between the device and other metal materials (such as metal brackets or metal doors and windows) should be greater than 25 cm and the distance between the device should be greater than 30 cm.

Child's safety

- Comply with all precautions with regard to child's safety. Letting children play with the device or its accessories may be dangerous. The device includes detachable parts that may present a choking hazard. Keep away from children.
- The device and its accessories are not intended for use by children. Children should only use the device with adult supervision.

Accessories

- Using an unapproved or incompatible power adapter, charger or battery may cause fire, explosion or other hazards.
- Choose only accessories approved for use with this model by the device manufacturer. The use of any other types of accessories may void the warranty, may violate local regulations and laws, and may be dangerous. Please contact your retailer for information about the availability of approved accessories in your area.

- Use only the following listed AC Adapters/Power Supplies: HUAWEI: HW-050200E1W.

Charger safety

- For pluggable devices, the socket-outlet shall be installed near the devices and shall be easily accessible.
- Unplug the charger from electrical outlets and the device when not in use.
- Do not drop or cause an impact to the charger.
- If the power cable is damaged (for example, the cord is exposed or broken), or the plug loosens, stop using it at once. Continued use may lead to electric shocks, short circuits, or fire.
- Do not touch the power cord with wet hands or pull the power cord to disconnect the charger.
- Do not touch the device or the charger with wet hands. Doing so may lead to short circuits, malfunctions, or electric shocks.
- If your charger has been exposed to water, other liquids, or excessive moisture, take it to an authorized service center for inspection.
- Ensure that the charger meets the requirements of Clause 2.5 in IEC60950-1/EN60950-1/UL60950-1 and has been tested and approved according to national or local standards.
- Connect the device only to products with the USB-IF logo or with USB-IF compliance program completion.

Power adapter safety

- The power plug is intended to serve as a disconnect device.
- For pluggable devices, the socket-outlet shall be installed near the devices and shall be easily accessible.
- Unplug the power adapter from electrical outlets and the device when not in use.
- Do not drop or cause an impact to the power adapter. If it is damaged, take it to an authorized service center for inspection.
- If the power cable is damaged (for example, the cord is exposed or broken), or the plug loosens, stop using it at once. Continued use may lead to electric shocks, short circuits, or fire.
- Do not touch the power cord with wet hands or pull the power cord to disconnect the power adapter.
- Do not touch the device or the power adapter with wet hands. Doing so may lead to short circuits, malfunctions, or electric shocks.
- If your power adapter has been exposed to water, other liquids, or excessive moisture, take it to an authorized service center for inspection.
- Ensure that the power adapter meets the requirements of Clause 2.5 in IEC60950-1/EN60950-1/UL60950-1 and has been tested and approved according to national or local standards.

Battery safety

- Do not connect battery poles with conductors, such as keys, jewelry, or other metal materials. Doing so may short-circuit the battery and cause injuries or burns.

- Keep the battery away from excessive heat and direct sunlight. Do not place it on or in heating devices, such as microwave ovens, stoves, or radiators. Batteries may explode if overheated.
- Do not attempt to modify or remanufacture the battery, insert foreign objects into it, or immerse or expose it to water or other liquids. Doing so may lead to fire, explosion, or other hazards.
- If the battery leaks, ensure that the electrolyte does not make direct contact with your skins or eyes. If the electrolyte touches your skins or splashes into your eyes, immediately flush with clean water and consult a doctor.
- In case of battery deformation, color change, or overheating while charging or storing, immediately stop using the device and remove the battery. Continued use may lead to battery leakage, fire, or explosion.
- Do not put batteries in fire as they may explode. Damaged batteries may also explode.
- Dispose of used batteries in accordance with local regulations. Improper battery use may lead to fire, explosion, or other hazards.
- Do not allow children or pets to bite or suck the battery. Doing so may result in damage or explosion.
- Do not smash or pierce the battery, or expose it to high external pressure. Doing so may lead to a short circuit or overheating.
- Do not drop the device or battery. If the device or battery is dropped, especially on a hard surface, it may be damaged.
- If the device standby time shortens significantly, replace the battery.
- When the device has a built-in, non-removable battery, do not attempt to remove the battery, otherwise the device may be damaged. To replace the battery, take the device to an authorized service center.
- Use the battery only with a charging system that is IEEE-Std-1725 standard qualified. The use of an unqualified battery or charger may lead to fire, explosion, leakage, or other hazards.
- Replace the battery only with an IEEE-Std-1725 standard qualified battery. The use of an unqualified battery may lead to fire, explosion, leakage, or other hazards.
- Do not disassemble or open, crush, bend or deform, puncture or shred the battery. Otherwise, it may lead to electrolyte leakage, overheating, fire, or explosion.
- Do not solder battery poles or dismantle the battery. Doing so may lead to electrolyte leakage, excessive heat, fire, or explosion.

Cleaning and maintenance

- Keep the device and accessories dry. Do not attempt to dry it with an external heat source, such as a microwave oven or hair dryer.
- Do not expose your device or accessories to extreme heat or cold. These environments may interfere with proper function and may lead to fire or explosion.
- Avoid collision, which may lead to device malfunctions, overheating, fire, or explosion.
- If the device is not going to be used for an extended period of time, power it off.
- If anything unusual occurs (for example, if the device emits smoke or any unusual sound or smell), immediately stop using it, power it off and contact an authorized service center.
- Before you clean or maintain the device, stop using it, stop all applications, and disconnect all cables connected to it.

- Do not use any chemical detergent, powder, or other chemical agents (such as alcohol and benzene) to clean the device or accessories. These substances may cause damage to parts or present a fire hazard. Use a clean, soft, and dry cloth to clean the device and accessories.
- Do not place magnetic stripe cards, such as credit cards and phone cards, near the device for extended periods of time. Otherwise the magnetic stripe cards may be damaged.
- Do not dismantle or remanufacture the device and its accessories. This voids the warranty and releases the manufacturer from liability for damage. In case of damage, contact an authorized service center for assistance or repair.
- If the device screen is broken in a collision, immediately stop using the device. Do not touch or attempt to remove the broken parts. Promptly contact an authorized service center.

Emergency calls

The availability of emergency calls is subject to your cellular network quality, service provider policy, and local laws and regulations. Never rely solely on your device for critical communications like medical emergencies.

Disposal and recycling information



This symbol (with or without a solid bar) on the device, batteries (if included), and/or the packaging, indicates that the device and its electrical accessories (for example, a headset, adapter, or cable) and batteries should not be disposed of as household garbage. These items should not be disposed of as unsorted municipal waste and should be taken to a certified collection point for recycling or proper disposal.

For more detailed information about device or battery recycling, contact your local city office, household waste disposal service, or retail store.

Disposal of the device and batteries (if included) is subject to WEEE Directive Recast (Directive 2012/19/EU) and Battery Directive (Directive 2006/66/EC). The purpose of separating WEEE and batteries from other waste is to minimize the potential environmental impacts and human health risk of any hazardous substances that may be present.

Reduction of hazardous substances

This device is compliant with the REACH Regulation [Regulation (EC) No 1907/2006] and RoHS Directive Recast (Directive 2011/65/EU). Batteries (if included) are compliant with the Battery Directive (Directive 2006/66/EC). For up-to-date information about REACH and RoHS compliance, please visit the web site www.huaweidevice.com/certification.

EU regulatory conformance

RF exposure requirements

Important safety information regarding radio frequency (RF) radiation exposure:

RF exposure guidelines require that the device be used at a minimum of X.X cm from the human body. Failure to observe this guideline may result in RF exposure exceeding limits.

Certification information (SAR)

This device meets guidelines for exposure to radio waves.

Your device is a low-power radio transmitter and receiver. As recommended by international guidelines, the device is designed not to exceed the limits for exposure to radio waves. These guidelines were developed by the International Commission on Non-Ionizing Radiation Protection (ICNIRP), an independent scientific organization, and include safety measures designed to ensure the safety of all users, regardless of age and health.

The Specific Absorption Rate (SAR) is the unit of measurement for the amount of radio frequency energy absorbed by the body when using a device. The SAR value is determined at the highest certified power level in laboratory conditions, but the actual SAR level during operation can be well below the value. This is because the device is designed to use the minimum power required to reach the network.

The SAR limit adopted by Europe is 2.0 W/kg averaged over 10 grams of tissue, and the highest SAR value for this device complies with this limit.

Statement

Hereby, Huawei Technologies Co., Ltd. declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

For the declaration of conformity, visit the web site www.huaweidevice.com/certification.

The following marking is included in the product:



This device may be operated in all member states of the EU.

Observe national and local regulations where the device is used.

This device may be restricted for use, depending on the local network.

Restrictions in the 2.4 GHz band:

Norway: This subsection does not apply for the geographical area within a radius of 20 km from the centre of Ny-Ålesund.

Restrictions in the 5 GHz band:

WLAN function of this device is restricted only to indoor use when operating in the 5150 to 5350 MHz frequency range.

FCC Regulatory Compliance

RF exposure requirements

Important safety information regarding radio frequency (RF) radiation exposure:

RF exposure guidelines require that the device be used at a minimum of 15.0 cm from the human body. Failure to observe this guideline may result in RF exposure exceeding limits.

Certification information (SAR)

This device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA).

The SAR limit adopted by the USA is 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported to the FCC for this device type complies with this limit.

The highest SAR value reported to the FCC for this device type when using at the body is 1.239 W/kg.

The highest SAR value reported to the FCC for this device type when using in portable exposure conditions is 1.239 W/kg.

FCC statement

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.

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.

Caution: Any changes or modifications to this device not expressly approved by Huawei Technologies Co., Ltd. for compliance could void the user's authority to operate the equipment.

This device is intended to be attached to a receiver that is not used to receive over-the-air broadcast signals. Connection of this device in any other fashion may cause harmful interference to radio communications and is in violation of the FCC Rules, part 15.

Restrictions in the 5 GHz band:

Within the 5.15 to 5.25 GHz band, UNII devices will be restricted to indoor operations to reduce any potential for harmful interference to co-channel Mobile Satellite System (MSS) operations.

2 For More Help

Please visit www.huaweidevice.com/worldwide/support/hotline for recently updated hotline and email address in your country or region.

3 Getting to Know Your D-Box

3.1 Appearance

Figure 3-1 Appearance

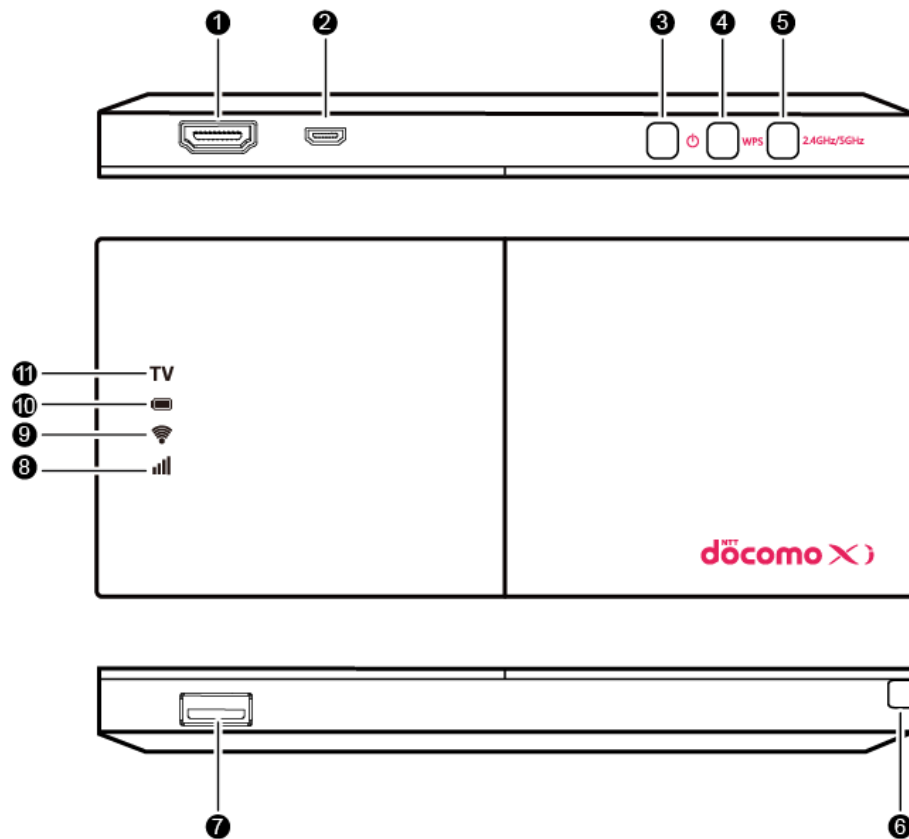


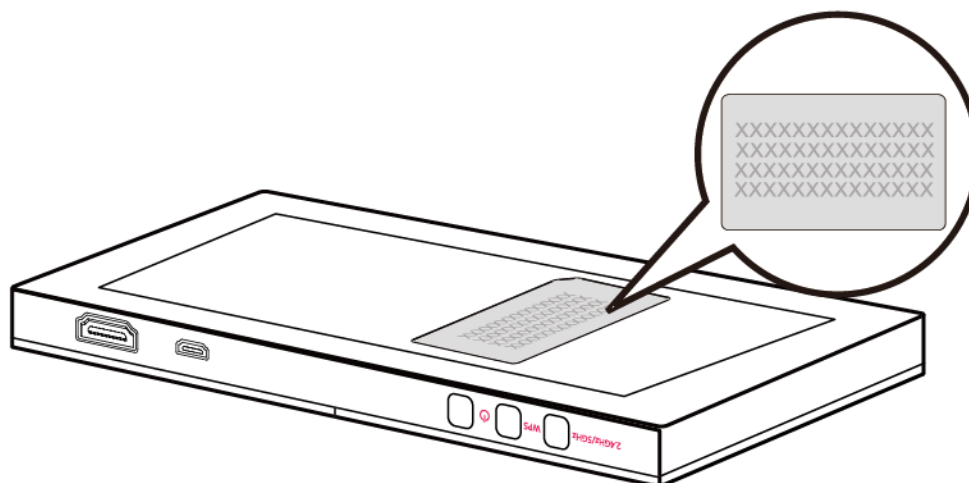
Table 3-1 Functions of Appearance

No.	Item	Description
①	HDMI port	Connects to HDTV with HDMI cable.
②	Micro USB port/ Charger jack	Connects to a USB cable that can connect to a power supply.

No.	Item	Description
③	Power key	<ul style="list-style-type: none"> Press and hold (more than 3 seconds) to power off your D-Box when it turned on. Press and hold (more than 3 seconds) to power off your D-Box when it turned off. Press (less than 2 seconds) to stand your D-Box when it turned on.
④	WPS button	Press the WPS button (more than 5 seconds) to start WPS negotiation.
⑤	2.4G/5G button	Press the button (more than 5 seconds) to switch Wi-Fi band.
⑥	Antenna	Receiving television signals for ISDB.
⑦	USB port	Connects to the USB mouse to control the D-Box
⑧	Signal status indicator	<p>Steady green: Strong signal</p> <p>Steady yellow: Weak signal</p> <p>Steady red: No signal</p>
⑨	Wi-Fi status indicator	<p>Steady green: 2.4G Wi-Fi turned on</p> <p>Steady blue: 5G Wi-Fi turned on</p> <p>Blinking: Data is being transmitted.</p> <p>Blinking yellow: WPS turned on.</p>
⑩	Battery status indicator	<p>Steady green: The battery level is high or full.</p> <p>Steady yellow: The battery level is less than 60%.</p> <p>Steady red: The battery level is less than 14%.</p> <p>Blinking green: The D-Box is charging.</p> <p>Blinking red: The D-Box is charging abnormal.</p> <p>Steady off: The D-Box is stand when charging.</p>
⑪	TV status indicator	The signal strength of watching a television program.

3.2 SSID and Wireless Network Encryption Key

Figure 3-2 SSID and Wireless Network Encryption Key



When a Wi-Fi device establishes a connection to the D-Box for the first time, you may need to enter the default Service Set Identifier (SSID) and wireless network encryption key.

The default SSID and encryption key are printed on the D-Box label.

It is recommended that you log in to the web management page and change your SSID and network encryption key.

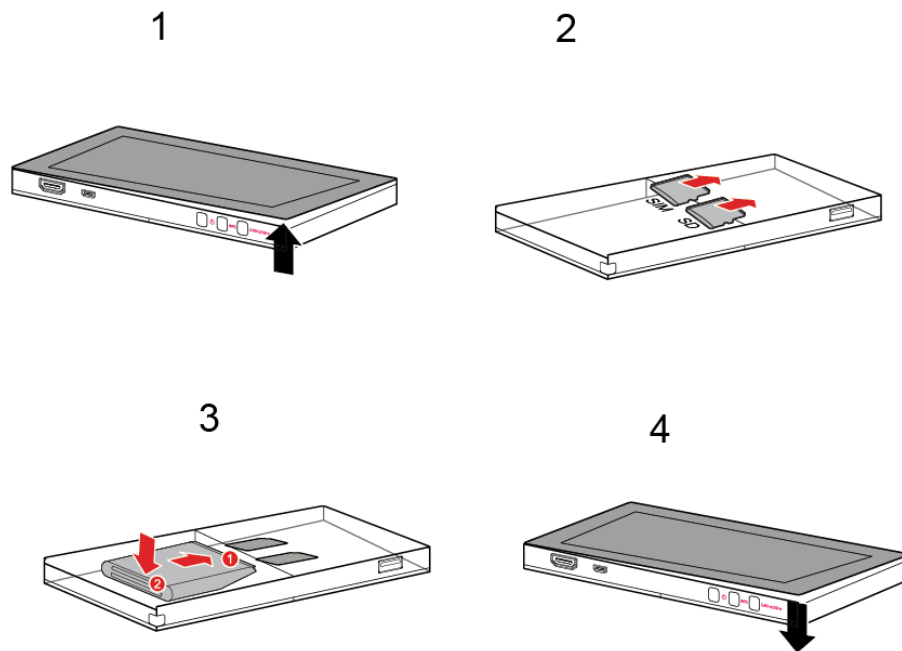
4 Getting Started

4.1 Installing a SIM Card and the Battery

Caution:

Use a standard SIM card compatible with the D-Box; otherwise you will damage your D-Box.

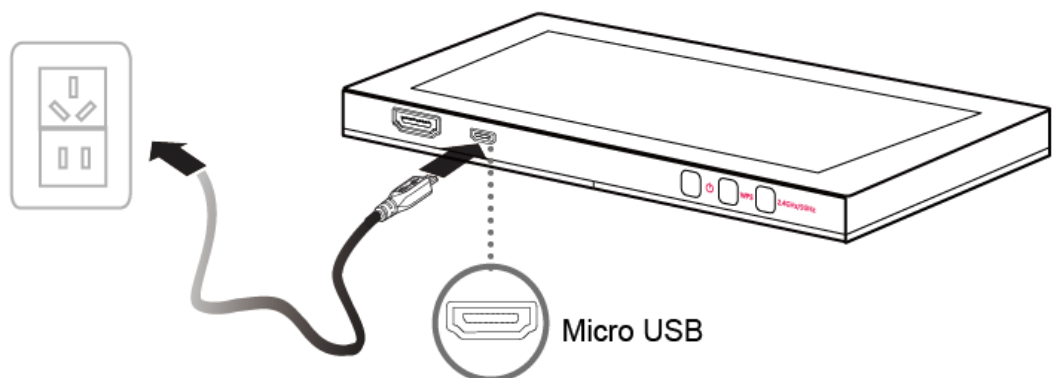
Install the SIM card and the battery according to the illustration.

Figure 4-1 Installing a SIM Card and the Battery

4.2 Charging the Battery

If the D-Box has not been used for a long time or if the battery is fully depleted, the D-Box may not power on immediately after the charger is plugged in. Please charge the battery for a while before attempting to power on the D-Box.

4.2.1 Using the charger to charge the device

Figure 4-2 Using the charger to charge the device

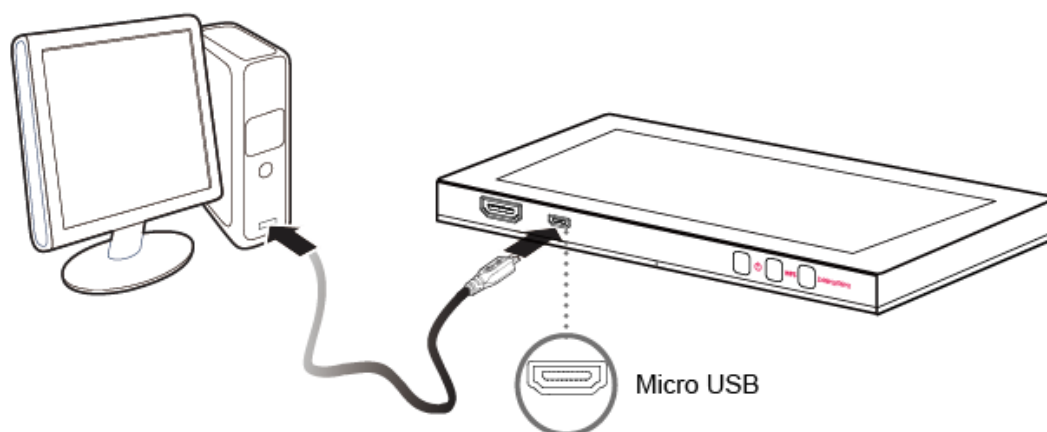
Note:

- Only use the charger compatible with the D-Box and provided by a designated manufacturer. Use of an incompatible charger or one from an unknown manufacturer may cause the D-Box to malfunction, fail, or could even cause a fire. Such use voids all warranties, whether expressed or implied, on the product.
- The charger is an optional accessory. If it is not included in the package, you may contact an authorized dealer to buy an adapter compatible with the D-Box.

4.2.2 Charge the device through a computer connection

Use the data cable provided with your device to connect the D-Box to the computer.

Figure 4-3 Charge the device through a computer connection

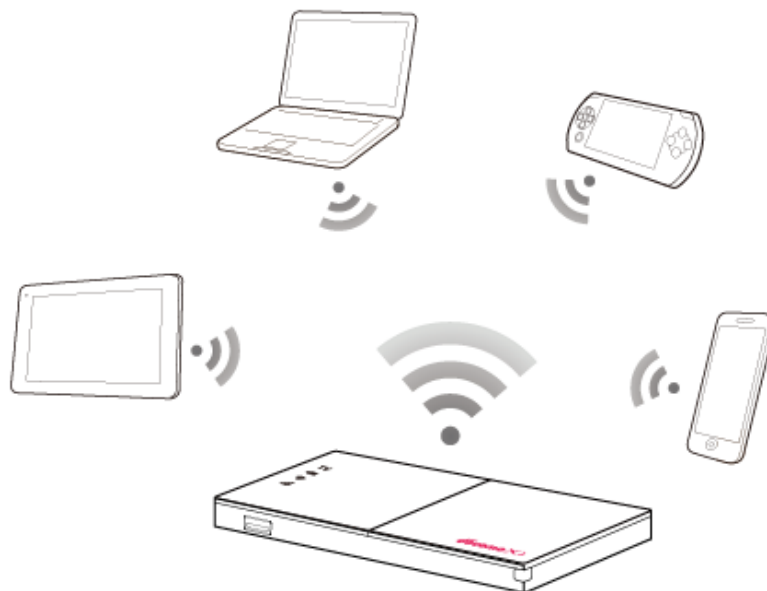


5 Connecting to the Internet

Figure 5-1 Connecting multiple devices through Wi-Fi




Figure 5-2 Connecting multiple devices through ISDB




The D-Box's management parameters have been preset according to your operator's requirements. You can quickly connect to the Internet by following these steps:

Step 1 Turn on the Mobile WiFi

Press and hold the  button until the indicators light up, indicating that the D-Box is turned on.

Note:

Press and hold the  button to turn off the D-Box.

Step 2 Establish a Wi-Fi connection (using a computer running the Windows 7 operating system as an example)

1. Ensure that the D-Box's Wi-Fi function is on.
2. Select **Start > Control Panel > Network and Internet > Network and Sharing Center > Connect to a network**.

Note:

Before establishing a Wi-Fi connection, ensure that the computer is equipped with a wireless network adapter. If the computer indicates a wireless network connection, the wireless network adapter can be used. Otherwise, verify that your wireless network adapter is working properly.

3. Select the wireless network connection with the D-Box's SSID and click Connect.

Note:

- If the wireless network connection is encrypted, enter the correct wireless network encryption key.
- The default SSID and encryption key are printed on the D-Box's label.

4. Wait a moment for the wireless network connection icon to appear in the system tray in the lower right corner of the computer screen. The wireless network connection is then established.

Step 3 Connect to the Internet

If data is transmitted, the D-Box will automatically connect to the Internet. If data is not transmitted for a period of time, the D-Box will automatically disconnect from the network connection.

Note:

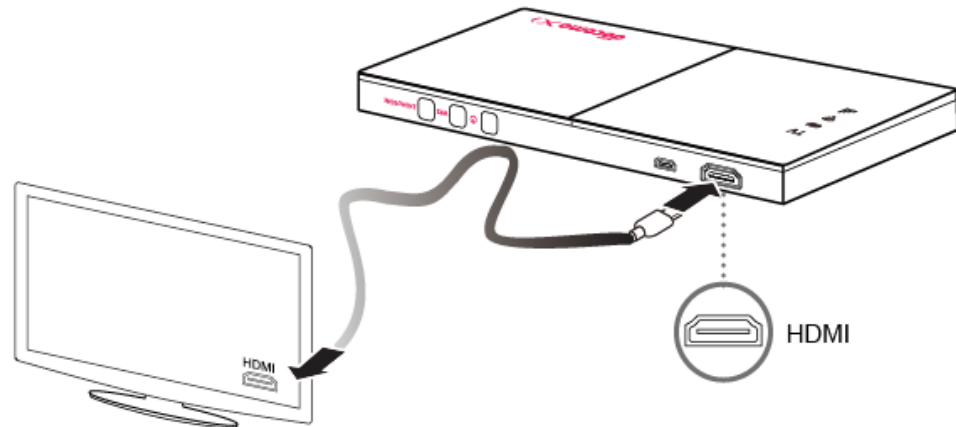
You can log in to the web management page and enable or disable the automatic dialing while roaming function. If this function is turned off, when the D-Box enters a roaming network, it will automatically disconnect from the Internet connection that has already been established. You will need to manually establish this network connection again.

6 Connecting to the HDTV

6.1 Watching TV

Caution:

Do not plug or unplug any cable when a device is powered on. Before connecting or disconnecting a cable, power off the D-Box and TV connected to them.

Figure 6-1 Connecting to HDTV by HDMI cable

6.2 Media Share

6.2.1 Using the DLNA Server

Note:

- Your phone or tablet need download the MediaCast APK.
- The D-Box has DLNA enabled.

Start MediaCast App, using your mobile phone to control D-Box, or push the video, music or photos on the phone or tablet to the television.

6.2.2 Casting

Step 1 Connect your phone and D-Box to the same wireless local area network.

Step 2 Start the MediaCast APK.


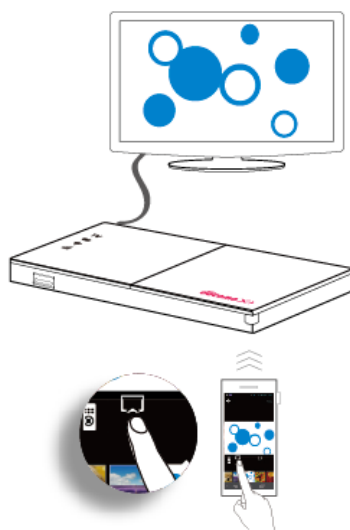
Step 3 Select **Media Sharing**> **My phone**, select any photo, click , push the photos.

Figure 6-2 Casting

6.3 Controlling the D-Box

6.3.1 Control by smart phone

Step 1 Start the MediaCast APK.

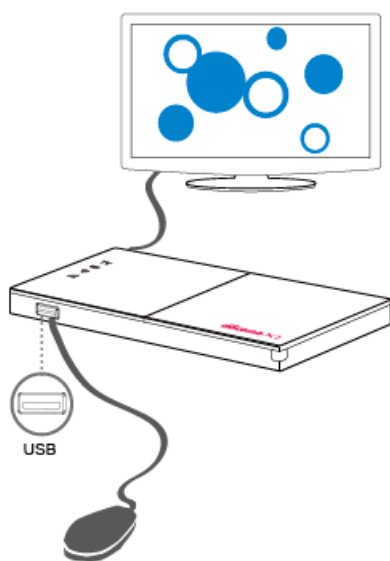
Step 2 Select Remote Control, click Set-top box found, waiting to connect and select the device you want to control, then you can control your TV with your phone or tablet.

Figure 6-3 Control by smart phone



6.3.2 Control by Mouse

Figure 6-4 Control by Mouse



7 Technical Specifications

7.1 System Specifications

Table 7-1 System specifications

Item	Description
System hardware	
Processor	K3V2+B710+BCM43241Z+MN88552
Memory	1024 MB
Flash memory	4 GB, eMMC
Wi-Fi	2*2 DualBand
System software	
OS	Android 4.1.2
Video/Audio/Photo	
Video format	MP4, 3GP, 3G2, RM, RMVB, ASF, FLAC, APE
Video decoding	H.263, H.264, MPEG-4
Audio decoding	MP3、MIDI、AMR-NB、AAC、AAC+、eAAC+
File Format	*.mp3, *.wav, *.ogg, *.mid, *.amr, *.mp4, *.3gp
Resolution	480i, 480p, 576i, 576p, 720p, 1080i, 1080p24, 1080p30, 1080p60
Aspect ratio	16:9
Audio format	AMR-NB, AAC, MP3, AAC, AAC+, AMR-N/B, AC-3, Enhanced AC-3, DTS
Ports	
USB port	1 x USB 2.0 port HS/FS/LS 1PCS, Type A 5V, 500mA
Micro USB port	1 x USB port device & Host Input: DC 5V, 2A
HDMI out	1 x HDMI 1.4a output
Indicator	4 x indicator

Item	Description
Keys	3 x key
Physical and electrical properties	
Working temperature	5°C to 35°C (41°F to 95°F)
Working humidity	5% to 90% (non-condensing)
Storage temperature	-20°C to +60°C (-4°F to +140°F)
Storage humidity	5% to 95% (non-condensing)
Dimensions (L x W x T)	135 mm x 60 mm x 14 mm (5.31 in. x 2.36 in. x 0.55 in.)
Weight	Less than 250 g
Accessories	
Battery	1 li-on battery, Capability: 3560 mAh, Rated Voltage: 3.7V
User manual	1 x User manual
Quick Start Guide	1 x Quick Start Guide
Gift box	1 x Gift box

7.2 Software Functions

Table 7-2 Software functions

Item	Description
Family interconnection	
Wi-Fi connection	Wi-Fi connection is supported.
WPS connection	Convenient and fast to set up a wireless connection.
Huawei AirSharing	
pushing	<ul style="list-style-type: none"> Share files from your mobile phone or tablet with your D-Box. Send videos, photos, and songs from your mobile phone or tablet to a TV phone with your D-Box. Use a mobile phone or tablet to let the TV play the content from NAS.
Applications on Smartphone and tablets	
Remote Control	Remotely control D-Box using a Smartphone or tablet.
AirSharing	Interact between D-Box and a Smartphone or tablet.

Item	Description
Media management	
Content Aggregation	Sort, aggregate, and share the media content on the NAS, PC, mobile phone, and tablet via DLNA or Samba.
Media Player	Play local media files on SD card and remote media files on the DLNA DMS and Samba server.
Software update	
OTA update	Perform online OTA update (Some regions and countries support it).
Update using a microSD card	Use a microSD card for software update.
System configuration	
System configuration	With an intuitive user interface, users can easily set the parameters, such as Sound, Display, Wireless and net work, Storage and so on.

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Notice

Some features of the product and its accessories described herein rely on the software installed, capacities and settings of local network, and therefore may not be activated or may be limited by local network operators or network service providers.

Thus, the descriptions herein may not exactly match the product or its accessories which you purchase.

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