

line@TV

User manual

Provided by line@ata



Dear Customer,

thank you for purchasing our product. Please read these instructions before using the appliance, so you will be able to attain optimum performance while also maintaining the original characteristics of reliability over time. Keep this manual for future reference. We also suggest that you keep the original packaging of the device. For any problem, we remind you to take note of the device's serial number on the back of the apparatus.

The Linc TV staff.

#### **WARNING**

- **The reception and viewing of TV digital channels depend on the level and the quality of the available antenna (land/satellite) signal. The signal varies according to the area of residence, to the correct positioning/operation of the antenna system, to the meteorological conditions and the peculiarities of the signal transmitted by the television broadcasters.**
- **Similarly, the use of streaming audio-video content in Smart mode/connected (through IP applications) depends on several factors, such as quality and speed of your internet connection and the characteristics of the server/network of the service provider. Full compatibility with all available Android apps is not guaranteed.**

#### **NOTE**

**Linc TV communicates that, following any software and/or hardware changes aimed at improving the product, there could be inconsistencies between the content of this manual and the product in your possession.**

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# 1 Safety

## WARNING

**TO REDUCE THE RISK OF ELECTRIC SHOCK AND AVOID VOIDING THE WARRANTY, DO NOT REMOVE THE DEVICE COVER!**

**Before connecting the power cable to the mains power supply outlet- make sure that the electric voltage indicated on the appliance corresponds to the one used in your area.**

**Make sure that you install the power cord, and other connection cables stably and securely.**

**Voltage overloads and power extension cords can be dangerous, such as worn cables or broken plugs/sockets; these conditions can cause electric shock or fire. Contact a trusted technician to replace damaged parts. Never insert any metallic object into the device – there is a risk of electric shock. To avoid electric discharges do not touch internal parts of the device; only qualified personnel may open the receiver.**

**The device has slots for air circulation. To prevent overheating, these openings must not be covered nor blocked. If you position the device in confined spaces (in bookcases, furniture), make sure that there is adequate ventilation.**

**Never use the device in extreme temperatures, intensely humid areas or in dusty environments.**

**Recommended temperature:  $5 \pm 35^{\circ}\text{C}$ . Relative humidity recommended:  $30 \pm 80\text{RH}$ .**

**Do not subject the receiver to rain or splashes of water; do not install it near kitchens, swimming pools, etc. If liquid accidentally enters the appliance, immediately unplug the power cord and contact a technician.**

**if necessary, clean the outside with a soft cloth lightly moistened with water; Remember to disconnect the device before cleaning. Do not use solvents such as benzene, acid or alcohol, the appliance could be irreversibly damaged.**

**Place the device on a solid surface that preferably facilitates access to the power outlet. Do not place the receiver near sources of heat or flames such as radiators, stoves and candles. Do not place objects filled with liquids such as vases or bottles on or near the appliance.**



**The crossed-out trash bin symbol indicates that it is forbidden to disperse this product into the environment or to throw it into general municipal waste. Anyone who does not comply with this rule will be fined in accordance with current legislation.**

**Proper disposal of the appliance helps avoid potential harm to the environment and human health, as well as facilitate the recycling of the components and materials contained therein, therefore saving of energy and resources.**

**The manufacturer has established a recovery system for Waste from Electrical and Electronic Equipment (WEEE) of the product which is subject to a separate collection and treatment systems, using plants conforming to the provisions in force in this matter.**

**Take the unusable product (and any accessories, including batteries) to a collection center authorized to handle electrical and electronic equipment waste. Alternatively, you can return your used or dead equipment to the dealer when purchasing a new equivalent type of device or free of charge if the household appliance is less than 25 cm in external dimensions.**

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## 2 Production description

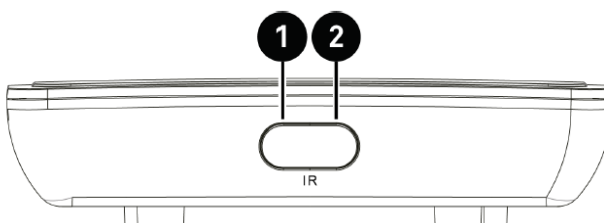
### 2.1 Package contents

The package contains the following elements:

- 1x Linc TV device
- 1x 5V,2A Adaptor
- 1x RJ45 cable
- 1x Extender HDMI cable
- 1x Battery 2xAAA)
- 1x Manual

### 2.2 Front Panel

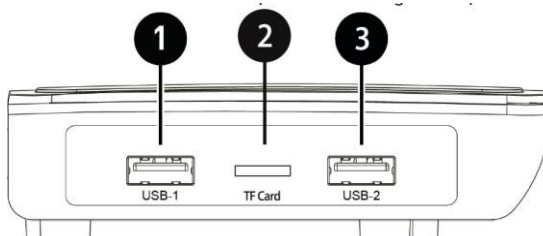
On the front of the receiver you can find the following components:



1. Status LED: Status indicator (GREEN if on, RED if stand-by).
2. IR: connect the IR extender here to use the supplied remote control.

### 2.3 Side Panel

The following ports are located on the side panel of the receiver:



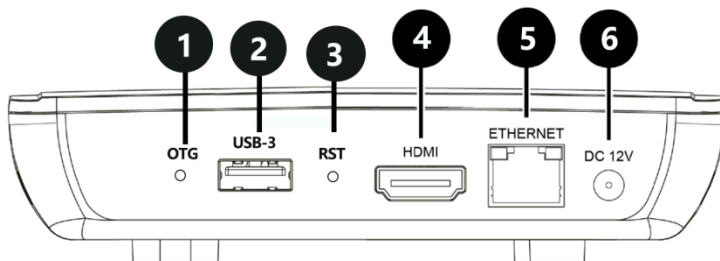
1. USB-1: USB 3.0 port (5V, max 500 mA) to be used as a media player.
2. USB-2: USB 2.0 port (5V, max 500 mA) to be used as a media player

## ATTENTION:

**Compatibility with all USB sticks or hard disks (HDD) on the market is not guaranteed. Especially for self-powered HDDs (via USB), if abnormal behavior is found, it is recommended to connect HDD with external power supply.**

### 2.4 Rear Panel

There are various connectors on the rear:



1. OTG: OTG button to update xxx.img FW
2. USB-3: USB3.0 port
3. RST: factory reset button
4. HDMI: SD/HD digital video output port.
4. ETHERNET: Ethernet connection port (10/100 Mbps).
5. DC IN: Input for external power supply provided (Output: DC 5V 2A).

## 2.5 Connection

Follow the diagram below for device connections:

- Connect the HDMI interface to the TV's HDMI port (in case of insufficient space on the TV, use the supplied HDMI extender cable).
- ETHERNET/WiFi: RJ-45 Ethernet port or WiFi (802.11 ac/a/b/g/n, 2.4/5 GHz) for connection to the Internet, necessary for the Smart TV function.
- Connect the power supply to a power outlet and use the supplied 5V adapter to connect the Linc TV device

## 2.6 Remote control

### 2.6.1 Buttons

1. POWER: turn on/turn off in Stand-by.
2. MOUSE: some applications are not designed to work with an IR remote control, but they require a real mouse. With this button the user can enable/disable the mouse, doing so will make the mouse pointer appear/disappear. To move the pointer using the arrow keys and interact with the object under the mouse pointer by pressing the OK button.
3. ARROW KEYS: navigation through the menus or, if MOUSE functionality is active, the movement of the mouse pointer.
4. OK button: select key.
5. BACK: this button returns to the previous menu/app.
6. HOME: this key enables you to return to the menu main of the receiver from any position.
7. PAUSE.PLAY: Play or Pause video or music
8. V-: Reduce volume
9. MUTE: temporary interruption of the audio.
10. V+: Add volume
11. VOICE: voice control



### 2.6.2 Batteries

To use the remote control, batteries (not included) must be inserted. Open the back cover of the remote control and insert two batteries (AAA size, 1.5 V) into the battery compartment respecting the correct polarity (marked inside the battery compartment).

To remove them, pull out batteries from the compartment; they should be disposed of separately from domestic waste, so take them to any point of sale or collection area.

#### **WARNING**

**To avoid damaging the remote control by the loss of corrosive liquid, we advise that you remove the batteries when the device is not used for an extended period. Do not use different types of batteries or new and used batteries at the same time.**

## 3 First installation

Before turning on the device, we recommended that you connect all ports and the Ethernet cable (if there is no WiFi network). In this way, thanks to the installation wizard, you can start using your receiver by following a few simple steps briefly described below:

### **Step 1**

This is the Welcome/Start screen, press OK on the Next button to move to the language setup. Make selections by moving the cursor on the screen with the arrow keys on the remote control.

### **Step 2**

This step allows you to choose the language. Navigate to the list of languages using the up/down arrow keys, press OK to select the desired language and press the left/right arrow key to move from the list to the PREV/NEXT buttons and vice versa. Press OK on NEXT to proceed to the next step.

### **Step 3**

This step allows you to choose the video resolution. It is recommended that you leave the "Auto output mode" ON, so the receiver will choose the best resolution possible. If you wish to proceed with the manual selection of the resolution, put on OFF the "Auto output mode" and choose the desired resolution from the list.

#### Step 4

This step is about adjusting the position of the video on the TV screen. Press the arrow keys UP/DOWN to increase/decrease the zoom video.

#### Step 5

The section dedicated to configuring the connection of the receiver to the internet network which is necessary to use the Smart functions. If the Ethernet cable has already been connected to the LAN port, the connection to the home modem/router will take place automatically (and the IP address of the box will appear on the screen); otherwise, connect the Ethernet cable and wait for the device to connect to the network showing the IP address on the screen. Next, proceed on to the following step. If it is not possible to connect an Ethernet cable, then you can configure the WiFi connection (checking the Wi-Fi entry instead of Ethernet) using the arrow keys and **OK** on the remote control. The list of WiFi networks detected will show up on the screen. Move with the arrow keys UP/DOWN to select the WiFi network and press OK. If your network is password protected, a virtual keyboard will appear on the screen. Type your password and press BACK to do away with the keyboard.

We remind you to **carefully** check the password you typed (if you select "Show password", you can see the password you've just entered). Press OK to CONNECT to start the connection to the mains power supply and wait for it to appear the words Connected. Now press the right arrow key and press OK on FINISH to complete the installation.

#### **WARNING:**

- **Some IP applications require the use of a keyboard and/or a cursor/mouse; in these cases, the supplied traditional remote control with the receiver will not be sufficient to control them. In this case, you can always connect a keyboard and/or a RF mouse to one of the three USB ports available.**
- **The supplied remote control is equipped with a special MOUSE. Once you click on the screen, you will see a small cursor mouse controlled by the arrow keys UP/DOWN/LEFT/RIGHT. To return to normal functioning of the remote, press the MOUSE itself.**
- **Once the installation process is complete, check the time in the right corner of the screen. If it's not correct, please select the appropriate time zone by going into Settings > Date and Time zone Setup >. For USA, select the time zone of New York.**

## 4 Main Functions

### 4.1 Home screen

As soon as the first installation procedure is completed, the receiver will show its main screen called Home. This screen can always be recalled by pressing the appropriate button on the remote control (Home). The Home screen is divided into three sections: the first section allows you to voice control;

The second is Favorites (a customizable collection of favorite applications), including Media center (File Browser, Video, Image), also you can add item by using the "+" symbol.

The Video and Music sections represent a way to divide apps by category and allow them to be used more comfortably. It is always possible for the user to add or remove Apps from these categories using the "+" symbol.

The File Browser section gives access to the files contained in the internal memory (and any external memories (SD card or USB) connected to the device.



In the My Apps section you will find all the applications currently installed on the device.

#### **4.1.1 Settings**

To access the receiver settings, press OK on this icon. From here you can set or modify some system parameters of the receiver (such as the connection via Ethernet or Wi-Fi, system sounds, installed App removal, free memory, factory reset) and change user preferences (date/time, language, keyboard and input methods, accessibility).

##### **4.1.1.1 Network& Internet**

Within this menu, the user can configure a Wi-Fi or an Ethernet cable connection.

##### **Wireless Network**

To activate/deactivate the Wi-Fi function, press OK on the item *Wi-Fi* (if active, the receiver will show the list of Wi-Fi networks detected below). From the list select your Wi-Fi network by pressing OK on the corresponding name (if not present, press OK on *Show all* to access the complete list of Wi-Fi networks detected) and enter the network password in the text field (press OK display the virtual keyboard or connect an external keyboard and start typing in the text field displayed on the screen). You can also hide the password while entering it (by checking the item *Hide password*). Once the connection is successful, the receiver will display the words *Connected correctly*. If the connection fails, make sure there is enough signal and that you have typed the correct password.

There are two other connection options:

- connection via WPS (if your modem/router provides this feature);
- add a new network (to connect to hidden Wi-Fi network by adding the name of the networks to connect to, the security type, and password

##### **NOTE**

**When the virtual keyboard is on, press BACK to make it disappear. Instead to confirm the entered text press the return key on the virtual keyboard (indicated by the symbol >).**

##### **Wired Network (Ethernet)**

After connecting the Ethernet cable, the receiver will be able to set their IP address using DHCP (if set by your modem/router). As soon as you plug in the Ethernet cable, Ethernet section will change from not connected to Connected (with the IP address received below). From the item Proxy settings, the user can set HTTP proxy settings manually (no proxy enabled by default) and the IP settings you can choose whether to keep the DHCP protocol (dynamic IP) or switch to static IP assigning the receiver's IP address manually, gateway IP address, network prefix length (default: 24), primary and secondary DNS

##### **4.1.1.2 Favorites**

This menu allows you to play video and audio also file and image via Media Center

Besides, you can select your fav apps from add item

##### **4.1.1.3 Apps**

From the item App Authorization, you access the list of authorizations granted to all the apps installed. You can grant or deny permission to each of the apps by simply pressing OK on the app name.

In addition to the item App Authorization, there is a list of applications (divided into App download and system App) that encloses all the applications that are currently installed on the receiver. By pressing OK on a listed app, you can receive info about the app itself (version number, working memory, permissions) and even open the app, terminate it or uninstall it. You can also delete the saved data in the app, clear your cache (files saved locally to increase the speed of the app), delete the default apps (if they are set as such) and remove any notice of the app itself.

**WARNING:**

**Do not remove system apps. This could lead to instability in the use of the receiver. In the case of downloaded apps, it is advisable to clear the cache in case the memory of the device is almost full to free space. Should you need to force an app to close, please note that you may need to reboot your device to ensure the proper functioning of the app itself.**

**4.1.1.4 Device Preferences---About---Factory Reset**

Factory Reset menu relates to a factory data reset of the receiver. Pressing OK on this voice, the user will be able to choose whether to return the receiver to its factory settings. This will eliminate all the internal data including any accounts, data and formulations of the system and all the applications and also the removal of all the unloaded applications

**WARNING:**

**Restoring factory settings deletes all customizations made by the user, including stored channels, downloaded applications, and changed settings. Also, upon confirming the reset, the device will perform a complete system reboot and will display the first installation wizard screen.**

**4.1.1.5 Device Preferences /Date &time**

In the menu date and time, the user can select whether to allow the receiver to automatically acquire information from the network (to do this, a working internet connection is required) or manually set the time. Remember always to set your time zone correctly to avoid incorrect time information reported by the receiver.

You can also choose the format to 12 or 24 hours.

**4.1.1.6 Device Preferences /Language**

From this menu you can select the language of your system.

**WARNING: We remind you that the TV application has its own language menu. Select from the menu within the app your language preferences and nation.**

**4.1.1.7 Device Preferences /Keyboard**

Within this menu, it is possible to change some settings of the virtual keyboard and/or other connected input keyboards. You can also use external USB keyboards, RF or Bluetooth.

**NOTE:**

**Full compatibility with the various external keyboards available is not guaranteed. Above all, we cannot guarantee that the keyboard layout will be correctly recognized for all the keyboards available. In any case, you can always use the receiver's virtual keyboard and/or change the layout of the physical keyboard connected to the device at Apps menu > languages and input settings >> physical keyboard (by selecting the keyboard connected and changing the layout of the keyboard to the one you want).**

## 4.2 Remote & Accessories

From this menu you can pair a Bluetooth accessory. The receiver is equipped with Bluetooth version 4.0. Check that the accessory to add is visible and in pairing mode before proceeding. Otherwise the receiver will not be able to find the accessory while scanning.

## 4.3 Troubleshootings

Problem	Possible cause	What to do
Power light not lit	Mains lead unplugged Mains fuse blown	Check mains lead Check fuse
Network doesn't work	Network cable not connected or bad network cable Wi-Fi not connected wifi	Connect/replace network cable Check Wi-Fi account/setting
No picture or sound	HDMI/AV is not selected on your TV	Reduce to another channel
No sound distort	Volume off Speaker not connected The audio codec may not be supported	Adjust the voice volume Check Speaker connection Refer to the user manual
No response to remote	Receiver off Handset not aimed correctly Front panel obstructed Hand set batteries exhausted	Aim handset at front panel Check for obstructions Replace handset batteries
USB can not be read	USB driver format not compatible or Broken USB Large file in USB driver to slowly read USB	Replace USB driver Remove large file in USB
Video playing abnormal	Video source is abnormal Network abnormal Video codec may not supported	Change video source Check Wi-Fi or Ethernet status Refer to user manual

## 5.FCC WARNING

### 15.19 Labeling requirements.

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.

### § 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### § 15.105 Information to the user.

Note: 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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.**
- **This equipment of Wireless Router should be installed and operated with minimum distance 20cm between the radiator & your body.**
- **The remoter can be use without any restrictions**

# 6.Technical specifications

Model	Linc TV 01
CPU/GPU	Rockchip RK3566 Quad-core Cortex-A55
Inner Flash	8 GB (used for operating system and applications)
RAM	4 GB DDR
Wi-Fi	802.11 b / g / n, 2.4 GHz/5 GHz
Physical button	On the side-button for recovery mode during startup receiver
USB port	1x USB 2.0 , 1x USB 3.0 ( (max 500 mA)
HDMI / Color Depth / HDR	1x HDMI 2.0 (HDCP 2.2) / 10 bit / HLG10, HDR10
Resolution	Analog: 576 p, Digital: up to 4K (2160p@60 Hz)
Video Codec	MPEG2 MP@HL and MP@ML, MPEG4 SP and ASP H. 264 (up to 1080p@60Hz and 2160p@30Hz) MP/HP@L4.1 H.265 (up to 2160p@60Hz) MP@L4.0 and Main10@L5.1
DRM	Widevine V1 Security Level 1
Streaming	Microsoft Smooth Streaming, MPEG-DASH, HLS
System	Android OS 13.0
SD slot	MicroSD up to 64 GB
Bluetooth	Version 5.0
External power supply	Input: AC 100-240V 50 / 60Hz, Output: DC 5V - 2A
Consumption	Standby: <:0.5W, Max: 3.5W