# lineTV
## User manual

Provided by lineata

Table of Contents

# 1 Safety

WARNING

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

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, make sure that there is adequate ventilation.

Never use the device in extreme temperatures, intensely humid areas or in dusty environments. Recommended temperature: 42 - 95°F. Recommended relative humidity: 30 – 80%.

Do not subject the device to rain or water; do not install the device in wet locations. If liquid accidentally enters the device, 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 when cleaning the device. The device can become irreversibly damaged.

Place the device on a solid surface that preferably facilitates access to the power outlet. Do not place the device 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 device.

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.

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

Take broken devices (and any accessories, including batteries) to a collection center authorized to handle electrical and electronic equipment waste.
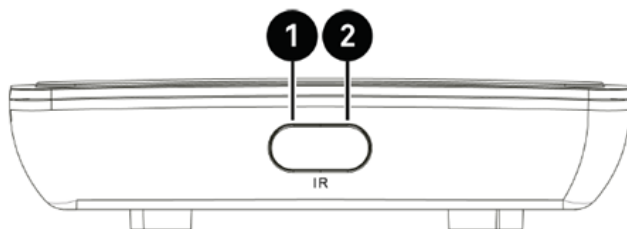
# 2 Description of Product

## 2.1 Package Contents

The package contains the following pieces:

1. 1x LincTV device
2. 1x 5V, 2A Adaptor
3. 1x RJ45 ethernet cable
4. 1x HDMI cable
5. 2x Battery (AAA)
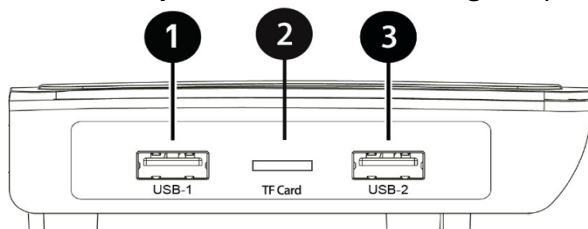6. 1x Manual

## 2.2 Front Panel

On the front of the device, you can find the following components:



1. Status LED: Status indicator (GREEN if on, RED if stand-by).
2. IR Receiver: Use the supplied remote control, pointed at the front of the device to control the device.
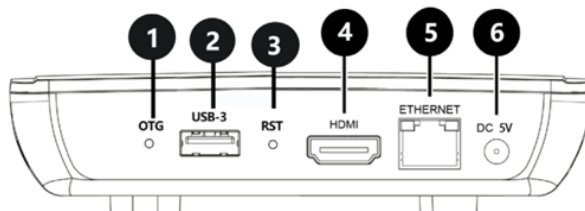
## 2.3 Side Panel

On the side of the device, you can find the following components:



1. USB-1: USB 3.0 port (5V, max 500 mA)
2. TF Card: MicroSD up to 64 GB
3. USB-2: USB 2.0 port (5V, max 500 mA)

## 2.4 Rear Panel

On the rear of the device, you can find the following components:



1. OTG: Allows update of the firmware
2. USB 3.0 port (5V, max 500 mA)
3. RST: factory reset button
4. HDMI: SD/HD digital video output port
5. ETHERNET: Ethernet connection port (10/100 Mbps)
6. DC IN: Input for external power supply provided (DC 5V 2A)

## 2.5 Remote Control

To use the remote control, batteries must be installed. Open the appropriate door at the back 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).



1. POWER: turn on/turn off in Stand-by.
2. MOUSE: some applications are not designed to work with directional keys. This button toggles mouse mode which allows a cursor to move over the screen. Objects underneath the cursor can be selected with 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: returns to the previous menu/app.
6. HOME: enables you to return to the menu main of the device from any position.
7. PAUSE.PLAY: play or pause video or music
8. V-: reduce volume
9. MUTE: toggles volume on/off.
10. V+: add volume
11. VOICE: voice control

# 3 First Installation

## 3.1 Setup Instruction

Before turning on the device, we recommended that you connect the HDMI and Ethernet cable (if there is no Wi-Fi network).

On first boot, the LincTV MDM application will open. On the main MDM page select SETTINGS to open the device settings menu.

It is recommended to configure the following settings:

1. HDMI CEC if not using a pillow speaker. Please refer to site specific implementation instructions provided by Lincata.
2. Wi-Fi network credentials, if not using Ethernet.
3. Bluetooth remote, if applicable, see section 3.2.
4. TV screen image adjustments, to ensure that portions of the displayed content are not being cropped. Navigate to Device Preferences – Display – HDMI – Zoom to adjust.

Once the device settings have been configured, navigate back to LincTV MDM and enter the server URL and/or manual setup registration pin and device ID based on the specific implementation instructions provided by Lincata.

Once the device is registered with the LincTV MDM, applications configured for your organization will be installed and the main home screen application chosen by your organization will be opened.

## 3.2 Remote Control Setup

The device's remote control has the ability to use Bluetooth instead of the default infrared (IR) command mode. This allows the remote to communicate without line of sight with the front of the device.

To pair the remote with the device, follow these steps:

1. Open the device settings menu
2. Navigate to Remotes & accessories
3. Select Add accessory
4. On the remote press and hold the OK + Back buttons simultaneously for 5 seconds. The remote should go into Bluetooth discovery mode, indicated by a red blinking light.

5. The remote should display as LincTV Remote on the screen, select to pair.

# 4 FCC Warnings

§ 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:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. 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 should be installed and operated with a minimum distance of 20cm between the radiator and your body.

# 5 Technical Specifications

| Model | LincTV 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 |
| USB port | 1x USB 2.0, 2x 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<br>H.264 (up to 1080p@60Hz and 2160p@30Hz) MP/HP@L4.1<br>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 AOSP 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 |

# Bluetooth remote control

## FCC Caution

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

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-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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

The remote can be use without any restrictions