

Chapter 1 Product Overview

FBox-432A

1.1 Industry Applications



The FBox-432A is an Android smart playback box powered by the Rockchip RK3566 chip. It features a variety of control and expansion interfaces, supports HDMI-4K@60Hz high-definition output, and is fully compatible with information distribution systems. It supports remote creation, publishing, management, and real-time updating of programs, as well as local/network timed power on/off, enabling smooth operation of various network terminals.

This product is widely used in smart display terminals, industrial automation terminals, and video-related terminals. Typical applications include digital signage, intelligent self-service terminals, smart displays, new retail intelligent terminals, and O2O intelligent devices.

1.2 Product Overview



1.3 Detailed Product Parameters

Detailed Parameters	
CPU	Quad-core 64-bit Cortex-A55, up to 1.8GHz
GPU	Mali-G52-2EE, Embedded 3D GPU OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1 Embedded high-performance 2D acceleration hardware
NPU	1Tops , INT8/INT16/FP16/BFP16
ROM	DDR: 2GB (optional 8GB)
Storage	EMMC: 32GB (optional 128GB)
Video CODEC	Video decoding: 4K 60fps H.265/H.264/VP9
	Video encoding: 1080P 100fps H.265/H.264
Network	Ethernet: Support 100M/10M GMAC Supports dual-band WiFi 6 and Bluetooth 5.4.
USB	1*USB 3.0 Host 2*USB 2.0 Host 1*Type-C OTG/Host
Display Input	1*HDMI 2.0(4K 60fps H)

Audio	1*HP
Peripheral Interface	1*DC_IN 1*RST 1*SIM Card

1.4 Appearance of Black Products



Chapter 2 Parameters of Power Adapter

2.1 Power Adapter



For your personal safety and the proper use of this product, please verify that your power supply meets the input specifications indicated on the back of this product's power adapter. It is strongly recommended to use the original power adapter provided with the device. If circumstances prevent the use of the original adapter, you must use a replacement power adapter with identical technical specifications. (DC+12V/2A) 。

2.2 Technical Parameters

Input Voltage	Output Ripple	Input Current	Output Voltage	No-Load Loss	Output Current
220VAC 50Hz	120mV	0.3A MAX	12V	0.3W	0-2AMAX

2.3 Operating Environment

Working temperature	storage temperature	working humidity	storage humidity
-10~40℃	-20~60℃	20~90%RH, No condensation	10~95%RH

Chapter 3 Product Usage

3.1 Peripheral Support



3.2 Application Devices



3.3 Precautions for Assembly and Use

Please read this chapter carefully and strictly follow it during use; This will help prevent damage to the playback box and prolong its lifespan

Use your lifespan and protect your personal safety.








- 1、 Please read the relevant documents attached randomly first. If there are any pages, please be sure to read them first.
- 2、 Follow all safety warnings and signs on this product.
- 3、 Please use the original power adapter or only use the power type indicated on this product.
- 4、 In thunderstorm weather, please do not plug or unplug network cables, power cords, and other conductive materials that may be connected to the outside world.
- 5、 Please unplug the power supply before cleaning this product. Do not use liquid, spray or wet cloth for cleaning.
- 6、 To avoid damaging the operating system, do not shut down abnormally or suddenly power off during operation, and do not operate while in working condition

Move and shake the playback box.






- 7、 Please do not disassemble or attempt to repair this product without authorization. Please have authorized professionals perform this task.
 - 8、 Do not place the playback box near heat sources and try not to let direct sunlight reach your playback box.
 - 9、 Do not splash water or other liquids onto the playback box. If any of the following situations occur, please immediately turn off the power to the playback box,
Waiting for professional maintenance personnel to handle:
 - a. The power cord or plug is damaged.
 - b. This product has been splashed with conductive liquid.
 - c. The product falls or the product casing is severely damaged.
 - d. There are unknown errors or significant performance changes in the product that cannot be ruled out through routine troubleshooting.
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Chapter 4 Trouble Shooting

This product undergoes strict testing before leaving the factory. If you encounter any problems during use, please contact the supplier; This chapter helps you troubleshoot common faults and some simple operational issues, or identify the causes of faults that need to be repaired.

	Remote control is ineffective	Please confirm if the remote control battery is charged; Please confirm if the remote control receiver is obstructed.
	WIFI network abnormality	Please confirm if the WIFI switch is turned on in "Settings WIFI". Please confirm if the WIFI antenna is connected properly; Please confirm if the surrounding network environment is normal.
	Ethernet cannot connect	Please confirm whether the Ethernet switch is turned on in "Settings - Ethernet"; Please confirm if the network cable and router are functioning properly.
	Audio output abnormality	Please confirm if the headphones and other audio devices are functioning properly; Please confirm if the interface is fully inserted.
	HDMI output abnormality	Please confirm if the display device is functioning properly; Please confirm if the HDMI connection cable is functioning properly; Please confirm if the HDMI interface is properly connected.
	USB device abnormality	Please confirm if the USB device is functioning properly on the computer; Please confirm if the hardware parameters of the USB device are normal; Please confirm if the USB device is in the list of supported peripherals;
	Abnormal indicator light on the playback box	Please confirm if the power supply equipment is functioning properly; Please confirm if the ambient temperature used for the playback box is normal; Please confirm if there is a short circuit in the external device.

Chapter 5 Accessories List

Picture	Accessory	Quantity
	Adapter (optional)	1 PC
	Antenna	2 PCS
	Wall Mounted Board	2 PCS
	Large Screw	4 PCS
	Packaging Box	1 PC