



MiNEMedia

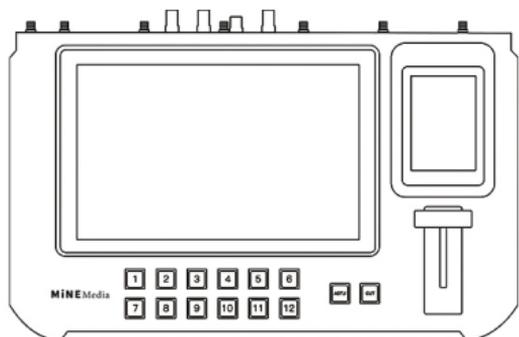
Mine R20/R20 Pro 4G/5G Bonding Video Switcher

Quick Start Guide

Professional Live Streaming Solution Provider

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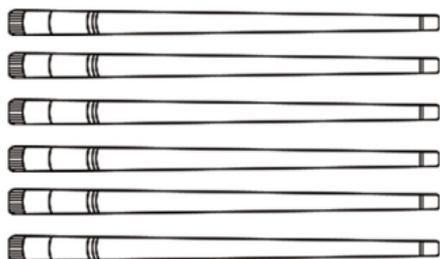
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Mine R20/R20 Pro 4G/5G Bonding Video Switcher



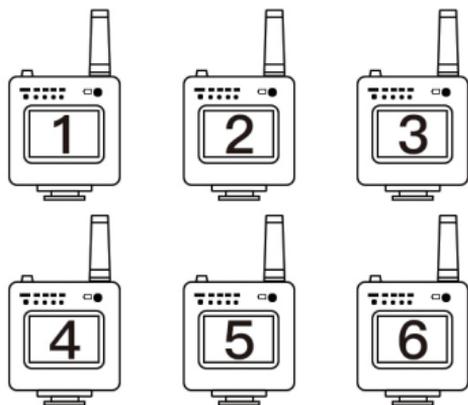
User Manual



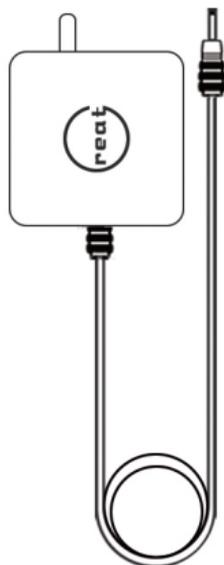
5G/4G Antenna * 6



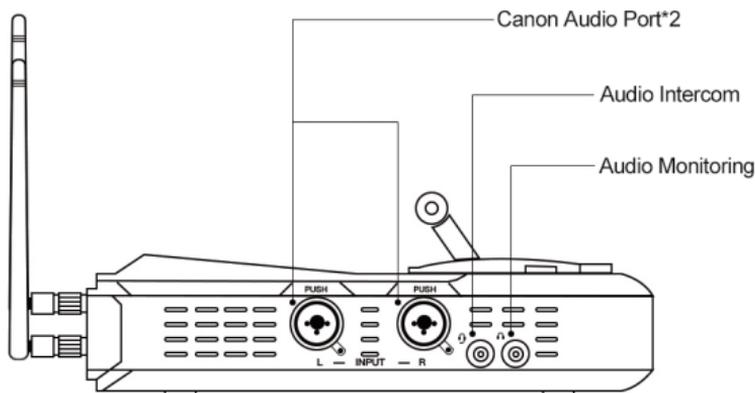
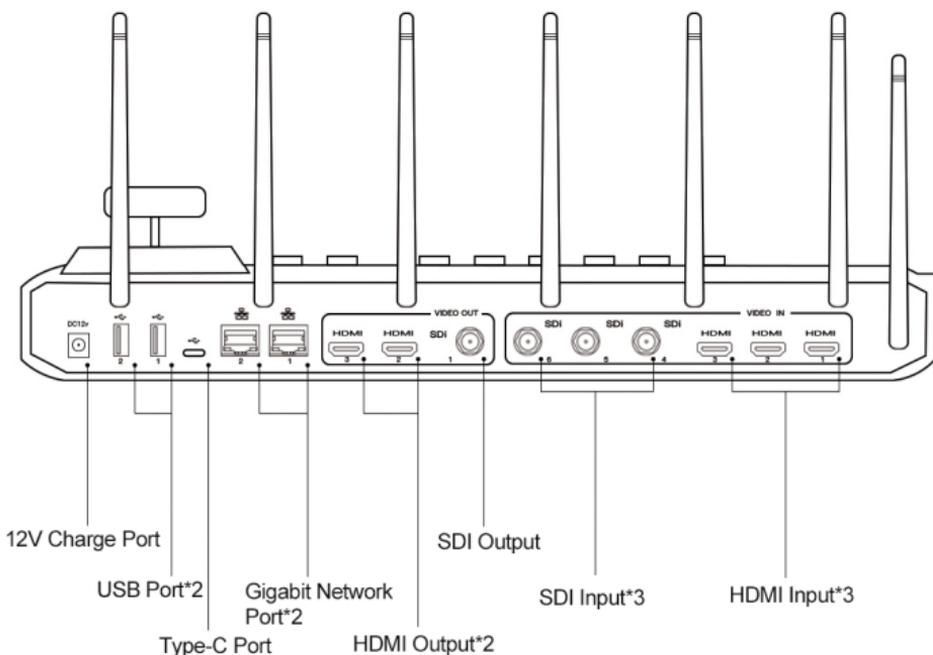
Pin

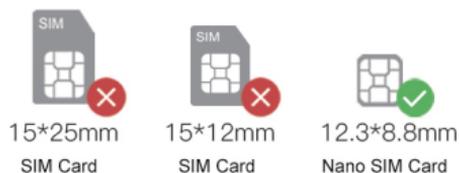


Tally light Kit
(Optional)

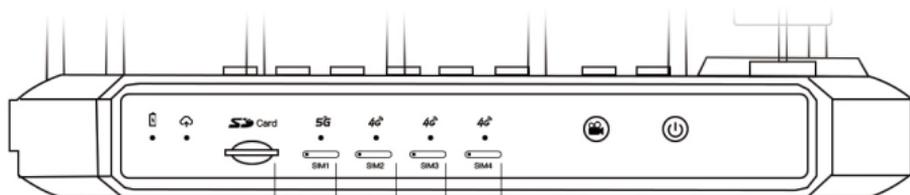


Power Adapter





- Please use the device's standard SIM card holder
- Do not disassemble the installation device components.
- Please follow the instructions to install the device components

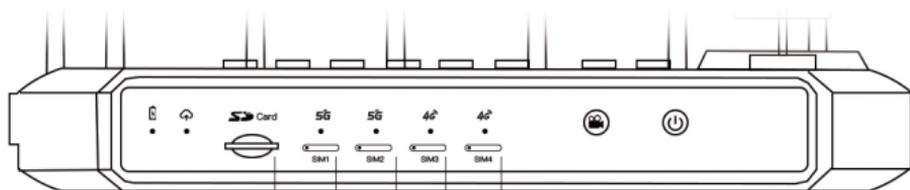


R20

SD Card Slot

5G SIM Slot*1

4G SIM Slot*3



R20 Pro

SD Card Slot

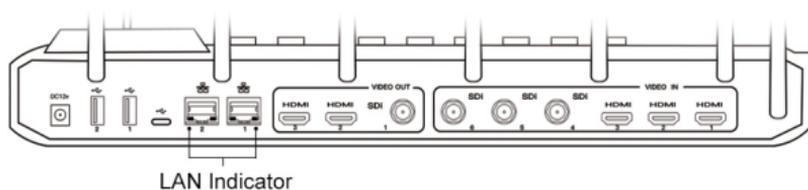
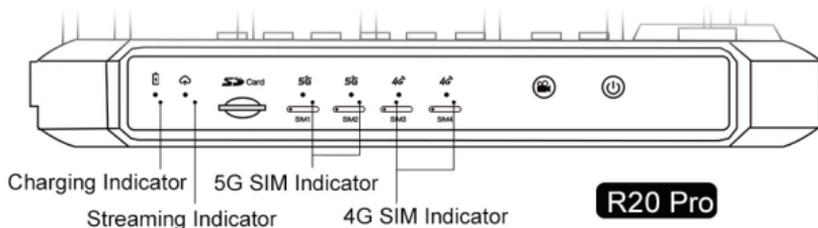
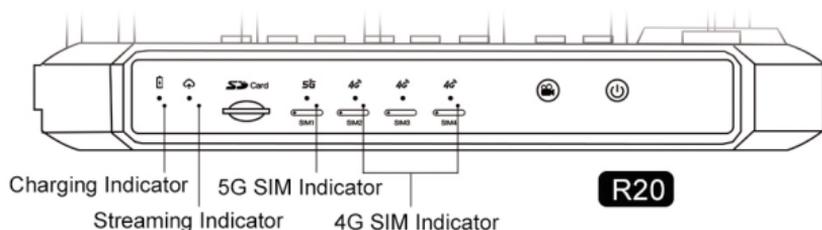
5G SIM Slot*2

4G SIM Slot*2

△ Please use speed class UHS-II SD card or above.

△ Please format the SD card into different file system formats according to different SD card capacities.

Indicator	Lights keep On	Flicker	
		Quickly	Slowly
Power Indicator	On		
Charging Indicator	Red (charging)		
4G SIM Indicator	Connect 4G Base Station		Connecting
5G SIM Indicator	Connect 5G Base Station		Connecting
Video Record Indicator	Recording		
Streaming Indicator	Initialization Successful	Start Streaming	Streaming Failure
Green LAN Indicator	Connected		
Yellow LAN Indicator		Data Connecting	



Monitoring (🎧)

Light the icon “🎧”, Can monitor the sound of one channel

Mixing (ON)

Opening a single channel means audio locking.

Multi-channel opening means mixing mode.

Maximum 4-channel mixing can be enabled simultaneously

(AFV) Audio Follow

Light the icon "AFV", Audio can be followed for this channel.

Audio follows the picture output when switching.

Global mute (🔇)

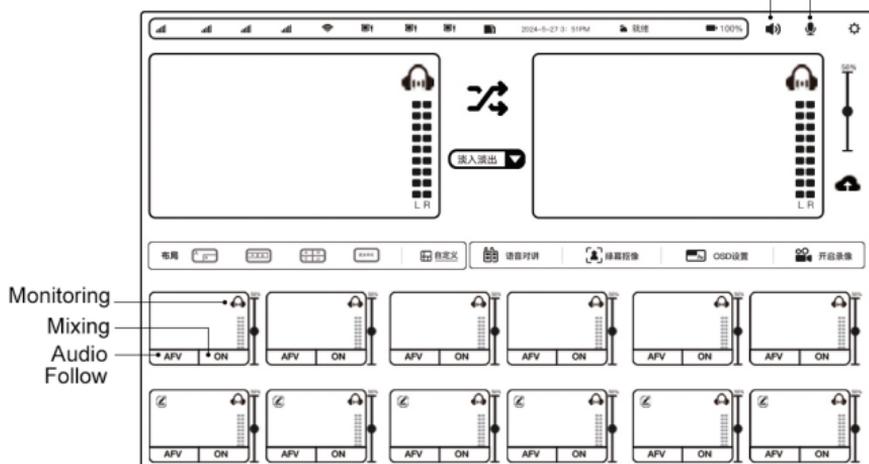
Click the screen icon 🔇, Turn the global audio on/off

External Audio (🎧)

When external audio is connected, it is closed by default.

You need to click the icon to mix, “🎧” monitor, and adjust the volume of the external audio.

Microphone status settings
Global mute button



Check Device Information

On the main interface of the device screen, click the top status bar to query device information

Push Stream Setting

Device: On the main screen of the device screen, click the push stream icon  → Select push stream channel → . Output the push stream address → click "Start Push stream".

APP: Scan the device SN or manually enter to bind. Click "Push stream Settings" to scan the push stream code or manually enter the push stream address and click "Start push stream".

Pull Stream Setting

Device: Click the icon  in the upper left corner of the device preview small window, enter the pull stream address, and click OK.

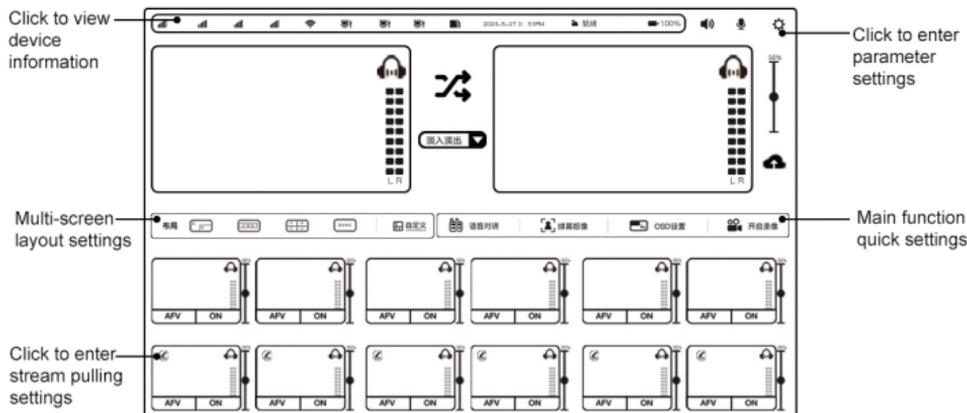
APP: Click "More Settings" → "pull stream Settings" → , enter the pull stream address, and click "Start pull stream".

OSD Setting

Import picture: Insert SD card /USB and click the Settings icon "in the top right corner. " → "Store" → "Select the SD card or USB" → "Manage" → Select the picture you want → "Start Copying".

Image overlay: Click "OSD" → "Picture" → "+" on the main interface to select the required material, Add → "Confirm".

Text overlay: click "OSD" → "Text" on the main interface to open the text switch, double-click the input area to input text, and click "Confirm".



● Device binding

Login Mlive app, enter My device list, click "+", insert or scan the SN code to bind the device.

● Device Unbinding

- ① Login M Live App, enter My device list, swipe left to unbind the device
- ② Forced unbinding: when the device is online, click the setting icon in the upper right corner:
"⚙️" "general" "device unbind"

● Firmware Upgrade

Online Upgrade: When the device is online, click the setting icon icon in the upper right corner

"⚙️" "general" "software upgrade"

M Live App Upgrade: Bind device and let device online, click " More settings" - "Device Update"

TF card upgrade mode 1: Insert the TF card, click the settings icon "⚙️" on the main interface, then click "General" and select "Upgrade" - "📄". Choose the upgrade package and click confirm.

TF Card upgrade mode 2: With the device powered off, insert the TF card and simultaneously press and hold the power button and the record button. Wait until all indicator lights are on before releasing the record and power buttons. The device will enter upgrade mode. Wait for the device to complete the upgrade and automatically restart (Note: TF card capacity should not exceed 64G and the file system should be FAT32).

APP:

Andoird: Please find M Live App in Google Play iOS: Please find M Live App in Apple store



Warranty Card

Name: _____

Phone _____

Post Code _____

Address _____

Device Model _____

Device SN _____

Purchasing date: _____

Distribution's name(stamp): _____

Distribution's phone: _____

Date of substitution	Problem Description	Date of Inspection	Maintenance EngineerSigned

Specifications	Model	Mine R20 /R20 Pro
	Name	5G Bonding Video Switcher
	Video Input	3 SDI Inputs; 3 HDMI Inputs; 6 Network Stream Inputs
	Video Output	2 HDMI Video Loop Outputs; 1 SDI Output 1 UVC output
Video Parameters	Video Compression Standard	H.264/H265; Supports CBR (Constant Bitrate Control) and VBR (Variable Bitrate Control)
	Encoding Type	H.265 Main Profile/H.264 High Profile/Main Profile/Base Line
	Video Input Format	1080p: 1920×1080@50p/60p 1080i: 1920×1080@50i/60i 720p: 1280×720@50p/60p
	Live Streaming Resolution	1920×1080, 1280×720. (Adjustable frame rate and bitrate)
	Recording Resolution	Maximum support for 1080p60 (Adjustable frame rate and bitrate)
Audio Parameters	Audio Compression Standard	AAC
	Audio Sampling Rate	44.1K/48K
	Audio Input	Cannon Audio Input
	Audio Format	MP3
	Audio Output	3.5mm dual-channel audio monitoring
Screen Parameters	Screen Size	10.1-inch main screen; 3.5-inch secondary screen
	Screen Features	HD touch screen
Network Interface	Built-in 5G	1×5G (R20), 2x 5G (R20 Pro)
	Built-in 4G	3×4G (R20), 2x 4G (R20 Pro)
	WiFi	Supports 2.4G/5.8G dual-band WiFi 6 access
	Ethernet	2×Gigabit Ethernet port
	USB	2 external 4G dongles, USB network cards
Transmission	Network Protocol	RTMP(S); RTSP; SRT
Storage	Storage Function	Supports SD card (up to 512G)
	Recording Format	MP4 (H.265/H.264 + AAC)
	File System	FAT32; exFAT,NTFS
System	Device System	Linux
	APP Client	Android 10 and above & iOS 12 and above
Power	Power Supply	DC12V=5A
	Maximum Power Consumption	25W
	Battery Capacity	7.4V/12000mAh
	Battery Life	2 hours
Structure	Size (mm)	395mm*240mm*50mm
Working Environment	Operating Temperature	0°C-40°C
	Operating Humidity	Humidity less than 95% (non-condensing)
	Storage Humidity	5°C-40°C

Mine R20 5G 4G Bonding Video Switcher after-sale service strictly according to Law of the People's Republic of China on the rights and interests of consumers, Product quality law of the \People's Republic of China implement three guarantees after-sale service, the services are as follows:

Warranty:

12 months warranty after goods received

Non-warranty regulations:

Under the following circumstances, beyond the scope of three guarantees of service:

Unauthorized maintenance, misuse, collision, negligence, abuse, infusion, accident, alteration, incorrect use of non-conversion parts, or tear, alter labels, anti-counterfeiting labels;

Three guarantees have expired;

Damage caused by fire, flood, lightning and other force majeure

Service Email: info@minemedia.tv

Service time: 9: 00 am~18:00 pm