

Quick Start



- USB3.0 streaming output •
- **4CH HDMI inputs** •
- 2"TFT display on board to Live preview four inputs •
- Auto cut and manual switch (T-Bar)
- 14 transition effects on T-Bar •
- Support PIP (Picture-In-Picture) •
- Audio offers embedded or external source to select •
- Support switch between 6-Picture PVW and PGM to HDMI Out •
- Logo Overlay •
- Chroma Key •
- PTZ control .
- Control by PC or mobile phone (via APP) •
- Compact design •

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Product Introduction

mini+ is a "mini" signal switcher and mixer which is able to stream 6-picture PVW or PGM from any one out of the 4 HDMI inputs to any live broadcasting platform via third party live streaming software such as OBS. It adopts compact design, equipped with a 2 inch TFT screen to preview the 4 inputs in real time. 14 transition effects on board work with T-Bar to do transition switching. Along with seamless switching, there are other outstanding features such as audio embedding, de-embedding, and automatically identifying color depth of RGB4:4:4, YUV4:4:4, YUV4:2:2,YUV4:2:0. mini+ adds advanced features including Chroma Key, Logo Overlay, PTZ Camera Control. mini+ devices are easy to operate either on board or remotely from mobile devices or laptops with XPOSE mini.



mini+ System Connection Diagram



Packing Configuration





Note: Power adapter of US/EU standard supplied as standard accessory.

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Hardware Orientation

Front Panel



TFT display	To display 4 inputs and menu
<u>PUSH/Y</u>	 Knob, turn to select menu item, push to confirm Work as a quick button to switch HDMI Out between 6-Picture PVW and PGM when TFT is under the state of previewing 4 inputs. On mini+, control camera lens position, moving up and down under PTZ control menu-Pos. On mini+, control camera lens zoom in and out under PTZ control menu-Zoom.
<u>M(menu)</u>	Menu and Back Button
<u>s</u>	Function Select button, to select Transition effect(),Switch Mode(MODE:CUT or T-Bar),PIP() and FX (reserved licensed feature for future)
VOLUME/X	 Turn to adjust volume of PGM On mini+, control camera lens move left and right under PTZ control menu.
<u>1,2,3,4</u>	4 inputs, red is on air (PGM), static green is signal standing by to switch, flash green is the ready to be switched
<u>T-Bar</u>	Manual switch, push to left end or right end to switch signal to PGM.

Interface Panel



HDMI OUT	1 HDMI Output port, connect to display to show Preview (6
	pictures) or PGM.
HDMI IN	4 HDMI Inputs, connect to input source from HD camera or PC
<u>DC 12V</u>	1 DC Jack for power input, connect to 12V/4A power adapter.
LAN	Communication port to link dedicated software for control
USB	USB3.0 output, capture signal via third party streaming software
	and push to live broadcasting websites
AUDIO IN/OUT	AUDIO In, analog audio input port, connect to microphone
	AUDIO OUT, analog audio output port, connect to loudspeaker.



Use Your Product

MENU

When mini is power on, the native TFT display show starting up page.



Main Menu

MAIN		MAIN		MAIN	
INPUT	>	LOGO OVE	Erlay >	INFO	>
HDMI	>	IP SETTIN	IG >		
USB3.0	>	LANGUAG	e >		
AUDIO	>	RESET	>		

Input

Push $\lceil M \rfloor$ button(MENU) to enter main menu and select first menu item<INPUT>,push $\lceil Y \rfloor$ knob to enter <INPUT>menu.

The input menu displays the information of the input signal source. If there is no input source, it displays: NO INPUT.

MAIN	INPUT	
HDMI1:19	920x1080x	60
HDMI2:19	20x1080x	60
HDMI3:19	20x1080x	60
HDMI4:NO	O INPUT	



HDMI

Push MENU and select the second menu item **<HDMI>** Push $\lceil Y \rfloor$ knob to enter <HDMI> menu

HDMI means HDMI output, rotate [Y] knob to select PVW output and PGM output for HDMI. Output: PVW or PGM Format: 1920×1080@60

USB3.0

Push MENU, rotate and push $\lceil Y \rfloor$ knob to enter the third menu item<USB3.0> USB3.0 means USB3.0 output,rotate $\lceil Y \rfloor$ knob to select **PVW output** and **PGM output** for HDMI. **Output:** Choose PGM or PVW **Format:** 1920×1080@60

MAIN	HDMI
OUTPUT	PREVIEW
FORMAT	1920x1080x60



Audio

Push MENU,rotate and push $\lceil Y \rfloor$ knob to enter the fourth menu item<AUDIO>

Rotate [Y] knob to select Audio Source: **AFV** or **LINE IN** Audio Bar: **ON/OFF**

Note: The mini+ can realize any one of five audio channels as the main output. You can either fix one audio channel as the main output, so that the audio does not change when you switch the HDMI screen signal,or abjust MEN to the the data of the time audio signal for the time audio is signal When the HDMI signal. When external audio is selected, the main output is the audio signal from the microphone.

SET IP Address Manually

Select **each segment** with the $\lceil Y \rfloor$ knob, then press to enter and set the **value** of each segment by pressing the knob again. **Note:** After setting IP address manually, please restart the device.

Set IP Address Automatically

Use this setting if your network/router has a DHCP server Select **DHCP** and set to **ON**, manual setting is disabled, land the IP A Iddress for mini is set from the network blink.com | www.rgblink.com

MAIN AUDIO	
SOURCE	AFV
AUDIO BAR	ON





LOGO Overlay

Push MENU,rotate and push $\lceil Y \rfloor$ knob to enter the fifth menu item<LOGO OVERLAY>

Rotate [Y] knob and select ON/OFF ENABLE and set the position of LOGO

If It is your **first time** to use the logo overlay function, please **refer to 3.4.2 Using XPOSE mini** first.

MAIN	LOGO OVERLAY
ENABLE	OFF
POS	X:1664 Y:950

LANGUAGE

Push MENU and rotate and push $\lceil Y \rfloor$ knob to enter the seventh menu item<LANGUAGE>



Factory Reset

Push MENU and rotate and push $\lceil Y \rfloor$ knob to enter the eighth menu item
RESET>

Rotate and push $\lceil Y \rfloor$ knob to select YES or NO





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INFO

Push MENU and rotate and push $\ \lceil Y \ \rfloor$ knob to enter the ninth menu item<INFO>

INFO shows Device SN,IP address,MAC address,MAC address,MCU version,Video version.

dress,MAC address,MCU		20207	~~~~~	~	
		IP ADDRESS:			
			192.16	8.0.100	
MAIN	INFO		MAIN	INFO	
MAC ADD	RESS:		VIDEO VER	2:	
18.20.4	40.96.0a.	20	1.10		
MCU VER	:				
0.30					

INFO

MAIN

DEVICE SN:

S Button

When you want to personalize your live show, you can use the mini+'s 14 built-in switching effects and control the timing of the switch via T-BAR.

Push S button to enter transition effect menu<**MIX**> and the LED indicator beside will light up;

Push S button twice to enter mode switch menu<**MODE**> and the LED indicator beside will light up;

Push S button **three times** to enter menu<**PIP**> and the LED indicator beside , will light up;

Push S button **four times** to enter **PTZ camera control** menu and the LED indicator beside <FX> will light up; Each time the menu is opened, the corresponding indicator light will be on, and then rotate the PUSH knob (" Y ") to select and confirm.



ΜΙΧ

Press S button to enter transition effect menu<**MIX**>,there are 14 kinds of effects

To change the switching effect, proceed as follows.

- 1. Press the "S" button to stay in the effects screen.
- 2. turn the $\lceil Y \rfloor$ knob to select the effect
- 3. Press the $\lceil Y \rfloor$ knob to confirm.

In actual use, the hard cut is only available in **Quick Cut** mode, if you use **T-Bar** mode, it will automatically change to FADF.

Push S button **twice** to enter <MODE>menu,and rotate [Y]knob to select **FAST** or **T-BAR**

After selecting Quick Cut, you need to select the switching time: from **0.5s to 5.0s**.

The steps are as follows.

- 1. Press the "S" button until you enter the mode interface.
- 2. Press the $\lceil Y \rfloor$ knob and wait for the option to turn yellow.
- 3. Turn the $\lceil Y \rfloor$ knob to change the parameters.
- 4. Press the [Y] knob to confirm.

In **T-Bar** mode, you can directly control the progress of the T-Bar manually and customize the switching time of your effects.

PIP

Push S button three times to enter <PIP> menu and select PIP mode(9 PIP modes)

The steps are as follows:

1. Push "S" button, enter PIP setting page.

2.Rotate $\lceil Y \rfloor$ button to select layout you want and confirm by Pressing. 3.Select the signal you want for background. (When the letter is A, it means background signal)

4.Press $\lceil X \rfloor$ button to select signal for PIP layer. (The A will change to B) 5.Finally, push the T-Bar and the content you've set will be taken to PGM. (T-bar has to be totally left or right side to make sure the content has been taken.)

essing.			
r is A, it		В	
e to B)			
to PGM.			

 PIP





MODE	
MODE	FAST
TIME	3.5S

PTZ Camera Control

PTZ		PTZ	
CAMERA	1	ENABLE	>
LOAD VIEW	1	IP SETTING	>
SAVE VIEW	1		
CONTROL	>		

mini+ can control cameras which supports VISCA protocol.mini+ allows users to control camera to move, zoom and focus. Meanwhile, mini + also saves camera position and zoom information for quick retrieval the next time you use it.

1. Rotate $\lceil Y \rfloor$ knob to<IPSETTING>,and set the IP of the camera you want to control to the corresponding IP address.

When the **yellow font** is displayed, it is in the **editing** interface, and the modification is considered successful until the blue font is displayed on the interface.

Note: The IP address of mini + and PTZ should be in the same network segment. 2. Rotate $\lceil Y \rfloor$ knob and turn on corresponding ENABLE

Note: mini+ can control up to 8 cameras.

PTZ	IPSETTING
1:	192.168.005.163
2:	192.168.000.164
3:	192.168.000.165
4:	192.168.000.166

PTZ	ENABLE			
ENABLE C1		ON		
ENABLE C2		OFF		
ENABLE C3		OFF		
ENABLE	EC4	OFF		

3. Push MENU and back to **<CONTROL>**, then you can control PTZ camera's position, zoom and focus.

Note: When operating the camera, mini+ needs to remain in the Control interface, otherwise the PTZ camera cannot be controlled.





Switch Sources

When you access the four source buttons, the lights on the source buttons will appear in four states:

green constant: the signal is recognized, no action is being taken;

green flashing: the currently selected, signal is being edited;

red constant: the signal is currently on the main output;

unlit: the source is not accessed or the resolution of the accessed source is not supported by the mini+

In FAST Mode:

Press a source button (1, 2, 3, or 4) that is green.

Selected source will be switched to the output with the set fade TIME and using the MIX transition selected, with the pressed source button becoming red.



Switch Source via Button

In T-BAR Mode:

Press a green button to set the source as the PVW, the source button will blink green.

Slide the T-BAR to switch/mix from the current PGM source to the PVW source.Any MIX

transition effect will be applied as the T-BAR is moved. Once the T-BAR has been **fully** transitioned, the indicator lights on sources buttons that are PGM and PVW will be swapped.

Note: Source selection is locked when T-BAR is in transition (not entirely docked at a left or right position)



Switch Source via T-BAR



XPOSE mini Operation

Install dedicated software named XPOSE to control mini+.

Right click the setup exe file .

Choose *Run as administrator* to open the exe and install the software.

After software is installed, click the icon

XPOSE and login the software.

Click Search to search mini+ device.

After searching, all available mini+ devices in the sub-net can be found, up to 128 devices can found if there are.

Select the desired device by SN and IP and enter the management interface. The software interface is a simulation of operation panel on real mini+ device.



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For example, clicking Button M can open

up menu as on the device. If it is the first time for you to use XPOSE mini, we suggest you watch our User Guide video.

Click the drop down arrow and click to play the User Guide video.



If you have used XPOSE mini before, you can direct click MENU to set as on mini+.

Following sections are dedicated to the additional features of XPOSE mini.

Live Streaming

Device Capture: choose RGBlink USB3.0 Capture H.265: When it is ON, users can watch 4 inputs streaming back on XPOSE software. Import the related OBS application if users need to do live streaming, click Relate to confirm. OBS: slide ON to start streaming.

Note: H.265 and OBS cannot work at the same time. User choose either H.265 or OBS, not both.

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Live Streaming		
Device Capture		
H.265	Off	
Please import related OBS application.		
	Relate	
OBS Software	Off	

Test Pattern

To facilitate troubleshooting, XPOSE mini provides a test signal output, which can be used to troubleshoot the USB or HDMI output interface when there is no output signal from USB or HDMI.

- 1. Select the USB/HDMI interface to be tested.
- 2. Select the mode of the test pattern.
- 3.Adjust color.





Password Protection

In order to solve the problem of control conflicts caused by different devices controlling the same mini+ in the same LAN, XPOSE mini provides a password protection function, as an administrator, you can set a password for the device controlling XPOSE mini, and when you control the interface again, you need to enter the password to control it.

Note: If you have forgotten your password, please restore the factory settings on the mini+.

Red Green Blue Password Protection ini provides a password ministrator, you can set a trolling XPOSE mini, and e again, you need to it. Confirm Password

Test Pattern

Output

Test Pattern

HDMI

off

Color Bar Solid Color

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T-Bar Calibration

If the T-Bar is not in the correct position, no other operation is possible. t-Bar correction is available in XPOSE mini.

The steps are as follow:

- 1. Turn on the T-Bar Calibration switch.
- 2. Push the T-Bar to the **far right** on the mini+.
- 3. Turn on the "On" switch
- 4. Push the T-Bar to the far left on the mini+.
- 5. Turn on the "On" switch



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mini+ supports advanced functions, such as Chroma key, PTZ Camera Setting and Logo Overlay.

Tbar Calibration	•
Tbar Calibration On	
Step 1: Push the Tbar to the left side	
Step 2: Turn on Off	
Step 3: Push the Tbar to the right side	
Step 4: Turn on Off	
Calibration successful!	
FX	
Chroma Key	⊙ ¹
PTZ Camera Setting	\odot
Logo Overlay	\odot

Chroma Key

mini+ also provides chroma keying of sub-screens. Sub-screen keying is possible with PIP turned on,which helps you to combine characters with the virtual background.

Make sure to use XPOSE mini V1.0.0.9 or higher before using the latest program, and make sure to use mini+ V1.23 and higher.

1.Select the base color you want to remove, there are 6 kinds of colors you can select: orange, yellow, green, cyan, blue and purple.



2.adjust color MAX, MIN and MARGIN. You can click in the MAX MIN MARGIN data input box to achieve a more precise keying effect.

Note: When using chroma key, make sure that the layer you want to edit is on the top layer, which is the B layer in the PIP setting, otherwise you may not see the chromakey effect.



PTZ Camera Setting

When controlling the PTZ camera, the computer, mini + and PTZ camera should be in the same network segment.

1. Set the corresponding communication port on the PTZ camera, such as VISCA or UDP port 1259.



2. Set both old IP and new IP to the camera IP address you want to control,the corresponding communication port to 1259 on mini+, configuration path: $M(Menu) \rightarrow FX \rightarrow PTZ$ Camera Setting Port on the control software of mini+.



3. After IP address setting,turn on "Enable" and you can control PTZ camera.

You can click and and to set camera to zoom and focus. Turn on "Auto", the camera will zoom and focus automatically.

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You can also slide to set Pan/Tilt speed of camera.



Load	View 1 💌
Save	View 1
Pan/Tilt Speed	14
Positioner	
	^
<	ی ک
	~

Logo Overlay

If it is your first time to use Logo Over lay, please **connect mini+ to your computer**, and make sure that IP address of both are in the **same** network segment.

1. Select a picture as the Logo.

Note: The format of the LOGO image should be BMP 24 bits, and the image size should be within 256*128 pixels.

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Logo Overlay	Θ
Path	
Please select the pi	cture file
	Select Picture

2. Click "ColorPicker" and select color you want to **filter** in the LOGO picture, and current color can be seen below.

3. Turn on"Transparent Switch", the filtered color will disappear in the LOGO picture.

4. Click "Logo Generated", "upgrading" will be seen in the TFT screen of mini+, and the Logo picture will be imported in.

5. Turn on"On-Off", and slide to set camera "X" and "Y" position. Click Set and confirm.

Choose Transparent Co	bior
ColorPicker	
Current Color	RGB (255, 0, 0)
Transparent Switch	OFF
	Logo Generated
On-Off	OFF



OBS Streaming

OBS Setting

mini is compatible with many third party steaming software, we recommend OBS, which is available to download on https://obsproject.com/download. Download the software and update to the latest version. 1.Click"+"icon

2.choose video capture device



Audio Input Capture		
Audio Output Capture		
Blackmagic Device		
Browser		
Color Source		
Display Capture		
Game Capture		
Image		
Image Slide Show		
Media Source	Mis	7.00
Scene	安宂风/Aux 3	0.0 dB
Text (GDI+)	क्र २,००,७,७,७,७,७ के के की की की की की	
VI C.Video Source		
Video Capture Device	麦兌风/Auz 2	-2.7 dB
Window Lapture	क क क क क	
Deprecated		
	麦兑风/Auz	0.0 dB

3. Click video capture device to open up setting page

4. Choose : RGBlink USB 3.0 Capture

5. Choose Video Format YUY2

Device	RGBlink USB3.0 Capture		Î		
	Deactivate				
	Configure Video				
	Configure Crossbar				
	Deactivate when not showing				
Resolution/FPS Type	Custom				
Resolution	1920×1080				
FPS	Match Output FPS				
Video Format	YVY2				
YUV Color Space	Default				
YUV Color Range	Partial	< >			

If there is no video format YUY 2 after setting above, check the USB 3.0 port connection. Make sure it is linked to USB 3.0port on PC by USB 3.0 cable. (USB 3.0 cable or port is standard in blue while USB 2.0 is in black)

If the captured video is showing mosaic, change the video format to YUY2.

Audio Setting

When there is no audio playing first check the video source see if the it is set in default value and then check the audio setting on OBS.

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1.Set Default for the audio source.



2. Audio setting on OBS.

Choose Audio, click Setting and choose audio device (Mic/Auxiliary Audio Device)

File Edit View Profile Scene Collection	Tools Help			
	Settings	-	2	
	General Stream Output 2 Audio Video Hotkeys Hotkeys Advanced	Sugit bit 61.1bit Canadi 2000 Baitor Anda Sources 5000 Julia Baitor Sources 5000 Julia Baitor Anda Sources 5000 Julia Participation 5000 Julia Anda Sources 5000 Julia Baitor Participation 5000 Julia		
Scenes				
潁慶	⊘ ≙ Video Captur ⊘ ≙ Video Captur	Fitho Capture Serice As de de de de de	0X Cansal 447	Sturt Streaming + • • • Sturt Streaming Studio Hole Studio Hole Satisme
+ - ^ ~	+-• ~~		0.0 40	

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Streaming Setting

1. Find the RTMP URL and Stream Key provided by streaming broadcast website.

2. Copy URL and Stream Key

3. Back to OBS, click Setting in the lower right corner and click "Stream". Choose Stream Type as "Streaming Service" or "Custom Streaming Server". If choose "Streaming Service", there is a list of streaming service name available in the drop down list of Service. If the streaming service is in the list, choose it from the list.



If choose Custom Service, just fill in URL and Stream Key.





- 4. Paste the RMTP URL to Server or URL and Stream Key to Stream Key.
- 5. Click "Start Streaming".
- 6. Go back to live broadcast website and check the broadcasting.

Upgrade

1.Tools:

- Firmware ZIP upgrade package
- XTOOL (V1.0.1.10 or higher) -packaged in the ZIP

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• Computer with network connection

- o Windows (minimum Win 7, Win 10 recommended)
- o macOS (minimum 10.13 High Sierra)

2.Upgrade

- 2.1 Power on the device connect LAN ports between PC and device by Cat6 cable;
- 2.2 Ensure that your computer is on the same network as the mini. The default IP address of mini is 192.168.0.99, in which case your computers IP address should be in the range 192.168.0.xxx (xxx cannot be the same as mini or other device on the network) to enable connection between the mini and your computer.

Check IP of PC:



Step 2. In the dialog type: ms-settings:network-status

I Run		Х		
Type the name of a program, folder, document or Internet resource, and Windows will open it for you.				
<u>O</u> pen:	ms-settings:network-status			
	OK Cancel Browse			

Step 3. Click on the Properties button



Step 4. Scroll down to find your IP address



← Settings		-	×
<u>ଜ</u>			
SSID:			
Protocol:	Wi-Fi 5 (802.11ac)		
Security type:	WPA2-Personal		
Network band:	5 GHz		
Network channel:	40		
Link speed (Receive/Transmit):	526/526 (Mbps)		
IPv6 address:	2001:8003:6812:f100:14f8:21ae:cdf4:f21 3		
Link-local IPv6 address:	fe80::14f8:21ae:cdf4:f213%22		
IPv6 DNS servers:	2606:4700:4700::1111 (Unencrypted) 2620:119:35::35 (Unencrypted)		
IPv4 address:	192.168.0.141		
IPv4 DNS servers:	1.1.1.1 (Unencrypted) 208.67.222.222 (Unencrypted)		
DNS suffix search list:	modem		

If the IP address is not in the same section, manual change of IP address is required. Here are the steps:

- Step 1. Click Start menu, click "Setting"
- Step 2. Open Network and Internet > Network and Sharing Center.
- Step 3. On the left pane of the new window, click **Change adapter settings**.
- Step 4. You will be displayed with **Network Connections** of the PC.
- **Important note**: Right click on "Ethernet" or "Local Area Connection" if you want to change IP of any physical connection. And right click on "WLAN" in case you wish to change IP of any wireless connections.
- Step 5. Choose **Properties** after right clicking on the network name.
- Step 6. Select the Internet Protocol Version 4 (TCP/IPv4), then click Properties.
- Step 7. Obtain an IP Address automatically should be selected by default, but please choose the Use the Following IP Address.

Step 8. Now put your desired IP Address according to your wish its correct format. Change **Subnet mask** and default gateway if you want to.

Install XTOOL App

- Step 1. Extract the Firmware ZIP package into a folder
- Step 2. Navigate to the /Upgrade Tool/XTOOL folder
- Step 3. Right mouse-click the XTOOL Soft Setup and Run as Administrator [Windows]
- Step 3. Follow the Setup Wizard to install all the components. There will be multiple Dialog windows pop-up for installing the necessary components (*refer XTOOL Installation Guide*)

If the XTOOL app has been installed previously, use the **Modify** option to complete the setup.

XTOOL is a universal updater application for RGBlink products, as such has a number of features in support of the full range of RGBlink devices that are not utilised for mini updates in this guide

1. Upgrade

Open the XTOOL app with *Run as Administrator* [Windows]

Connect to mini

Step 1. Click on **Connection**

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☐ E:/乐播/程序	%/MINI_LIVE_Package_V0.31_2020	00821/MiniPackage_V0		— X			Choose File
All	File Name				Old Version		Mark
	LOGO_MINI.bin	Serial Com	n 📄 Flex	🔲 Venux	?	0.00%	
	HZK32.bin	COM Port	COM1		?	0.00%	
_	FPGA.lzm		CONT		?	0.00%	
	MCU.bin	Baud Rate	115200		?	0.00%	
		Net Comm					
		IP Settings	192.168.0.99				
		USB Comm					
ngle		Device	VSP 628Pro			0.00%	Upgrade
		Device	VSP 626Pro			0.00%	
			Cancel	Confirm			
og Basic	Detail					Save Log	Delete Log

- Step 2. check the **Net Comm** option box
- Step 3. enter the IP Address of the mini (as example above, default mini IP is 192.168.0.99) remember computer and mini MUST be on the same subnet
- Step 4. click Confirm

Step 5.Review Connection Status at bottom left, to confirm indicator light is green and there is device information showing at bottom right

XTOOL	し 文子 Ibox Language	? Help	bin	. Ç	- 0 ×
6					Choose File
All File Name	· · · · · · · · · · · · · · · · · · ·	Туре	ID New Vers	ion Old Version	Mark
Single Total					0.00% 0.00%
Log Basic Detail					Save Log Delete Log
Connection Status:					Device Type: mini SN: 999

Load the Firmware Update File

Step 1. Click Choose File



XTOOL		1 î	1					
Connection	Version Toolbox	文 人 Language	? Help	bin New File	H.264	Screen File		
6								Choose File
All	File Name		Туре	ID	New Version	Old Version	- 1	Mark
							0.00%	Upgrade
Single Total							0.00%	
	Detail						5. 304 6 7466557	Upgrade Delete Log
Total	Detail				_		0.00%	
Total	Detail						0.00%	

Step 2. Navigate to the package folder and select the MiniPackage .bin file

Set Components to Update

Click the Select All check box which will enable all components to be updated to the latest versions Advanced updating allows single component upgrading

XTOOL		1 5 8 3	12-0-0		-	Real Property lies		a are	
Connection	Q Version	Toolbox	文 국스 Language	? Help	bin New File	H.264	Screen File		
8		eri age, 10.11,	provinci i contra	N., M. Para	م. مراجعته	MiniPack	age_V0.31_20200821	bin	Choose File
A II	File	Name		Туре	ID	New Version	Old Version		Mark
	LOGO	_MINI.bin		Picture	0	0.01	?	0.00%	
	HZ	<32.bin		Font	0	0.01	?	0.00%	
	FPG	GA.lzm		Fpga	80	1.11	1.10	54.55%	
	M	CU.bin		Mcu	0	0.31	0.30	0.00%	
Single C								0.00%	
Total								0.00%	Upgrade
Log Basic	De	tail						Save Log	Delete Log
nnection Status:	•							Device Type: N	nini 🔄 sn: 9

<u>Upgrade</u>

Step 1. Click Upgrade

XTOOL	- A - B	2 5 83	2-0-0		-	And and		the are	
Connection	Q Version	Toolbox	文日 文日 Language	? Help	bin New File	H.264	Screen File		
ð	1993., 1997. P	et ap. 10.11,	provide a super-	N., M., Nefe	p., et al., p	MiniPack	age_V0.31_202008	321.bin	Choose File
All	File	Name		Туре	ID	New Version	Old Version		Mark
	LOGO	_MINI.bin		Picture	0	0.01	?	0.00%	
	HZI	K32.bin		Font	0	0.01	?	0.00%	
	FPG	GA.lzm		Fpga	80	1.11	1.10	54.55%	
	М	CU.bin		Mcu	0	0.31	0.30	0.00%	
Single								0.00%	Upgrade
Log Basic	De	etail						Save Log	Delete Log
onnection Status:	•							Device Type: 1	mini) SN:

Step 2. Monitor the progress

DO NOT DISCONNECT OR POWER DOWN while updating

XTOOL	-D- #4	-	ALC: N			
		bin New File	H.264	Screen File		
8	CORRECTED AND	p. 16.16.3	'MiniPack	age_V0.31_20200821.	bin	Choose File
Ali File Name	Туре	ID	New Version	Old Version		Mark
LOGO_MINI.bin	Picture	0	0.01	?	0.00%	
HZK32.bin	Font	0	0.01	?	0.00%	
FPGA.Izm	Fpga	80	1.11	1.10	54.55%	
MCU.bin	Mcu	0	0.31	0.30	0.00%	
Single					54.55%	
Total					27.28%	Stop
Log Basic Detail					Save Log	D ste Log
14:56:07:505(FPGA.lzm_ID=80) 15:29:10:658(FPGA.lzm_ID=80) 15:29:10:658(MCU.bin_ID=0) 15:29:37:559(MCU.bin_ID=0)						
onnection Status: 🔵					Device Type: 🗖	ini ; sN: 99

Step 2. Following update click **Confirm** in the pop-up window



							Choose File Mark
ň	LOGO_MINI.bin	Picture		0.01		0.00%	
ň	HZK32.bin	Font		0.01		0.00%	
ō	FPGA.lzm				1.10	100.00%	Upgraded!
n	MCU.bin				0.30	100.00%	Upgraded!
			Confirm				

Step 3. Click Version to refresh, then review the main window to confirm upgrade versions now match

XTOOL	A BITT	122-0-0		-	man a		(A	
Connection	Q Version Toolbox	∑ A Language	? Help	bin New File	H.264	Screen File		
la [']		a manager and	No. 1998, Parks	ر. د در م	MiniPack	age_V0.31_202008:	21.bin	Choose File
All	File Name		Туре	ID	New Version	Old Version		Mark
	LOGO_MINI.bin		Picture	0	0.01	?	0.00%	
	HZK32.bin		Font	0	0.01	?	0.00%	
	FPGA.lzm		Fpga	80	1.11	1.11	54.55%	
	MCU.bin		Mcu	0	0.31	0.31	0.00%	
Single Total							D 100.00	Upprade
Log Basic	Detail						Save Log	Delete Log
15 15	:56:07:505(FPGA.lzm_ :29:10:658(FPGA.lzm_ :29:10:658(MCU.bin_I :29:37:559(MCU.bin_I	ID=80) D=0)						
nnection Status:	•						Device Type:	mini + SN: 9

<u>Finish</u>

- Step 1. Close XTOOL
- Step 2. Disconnect mini
- Step 3. mini is now upgraded and ready to use



Contact Information

Warranty:

All video products are designed and tested to the highest quality standard and backed by full 1 years parts and labor warranty. Warranties are effective upon delivery date to customer and are non-transferable. RGBlink warranties are only valid to the original purchase/owner. Warranty related repairs include parts and labor, but do not include faults resulting from user negligence, special modification, lighting strikes, abuse(drop/crush), and/or other unusual damages.

The customer shall pay shipping charges when unit is returned for repair.

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