DLP
TEXAS INSTRUMENTS Pico Projector

User Manual

HIJIA
ELECTRICAL APPLIANCE
EX - 1120

DoUSB DoWiFi TF HDMI

STATEMENT

Copyright

Copyright© 2012 Ningbo Xijia Electrical Appliance Co.,Ltd All Rights Reserved.
No part of this manual, including the products and software described in it, may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form or by any means, except documentation kept by the purchaser for backup purposes, without the express written permission of Xijia Electrical Appliance Co.,Ltd. ("XIJIA").

Disclaimer

The information in this document is subject to change without notice. The manufacturer makes no representations or warranties with respect to the contents hereof and specifically disclaims any implied warranties of merchantability or fitness for any particular purpose. The manufacturer reserves the right to revise this publication and to make changes from time to time in the content hereof without obligation of the manufacturer to notify any person of such revision or changes.

Trademark Recognition

HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
All other product names used in this manual are the properties of their respective owners and are acknowledged.

WARNING/CAUTION

Please take note of the safety instructions to prevent any potential accident or misuse of the projector.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.

⚠ WARNING

- To reduce the risk of fire and electric shock,do not expose this product to rain or moisture.
- Unplug the projector from the wall socket before cleaning. Use a damp cloth for cleaning the projector housing. Do not use liquid or aerosol cleaners.
- Do not block the vents of the projector or restrict air-flow in any way.
- Do not place the Projector in direct sunlight or near heat sources such as radiators, fires, stove etc.
- When replacement parts are required, be sure that the replacement parts are specified by the manufacture. Unauthorized substitutions may result in fire, electric shock or other hazards.
- Do not attempt to service this projector yourself. Refer all servicing to qualified service personnel.

NOTES

- When installing the projector on a table, be careful not to place it near the edge.
- Disconnect from the power supply and remove all connections before moving, or cleaning.
- Only use the projector on a level and stable surface.
- Do not drop the projector when connecting to external devices.

Power

⚠ WARNING

- The power cord should be inserted fully into the power outlet to avoid fire hazard.
- Do not place heavy objects on the power cord. This may cause a fire or an electric shock hazard.
- Never touch the power plug with a wet hand. This may cause an electric shock hazard.
- Do not plug in too many items into one power outlet. It may result in overheating of the outlet and create a fire hazard.
- Prevent dust from collecting on the power plug pins or outlet.This may cause a fire hazard.

NOTES

- Hold the plug firmly when unplugging. If you pull the cord, it may be damaged.
- Do not use if the power cord or the plug is damaged or any part of the power outlet is loose.
- Place the projector where people will not trip or tread on the power cord.
- Do not turn the projector On/Off by plugging-in or unplugging the power plug to the wall outlet. (Allow the unit to cool before removing power.)

Others

⚠ WARNING

- Do not attempt to service the projector yourself. Contact your dealer or service center.

NOTES

- Be sure to unplug if the projector is not to be used for a long period. Accumulated dust may cause a fire hazard or damage to the unit!

TABLE OF CONTENTS

SAFETY INSTRUCTIONS 1

copyright information 1
Notes 2
Power 3
Others 3

ASSEMBLING AND PREPARING 6

Unpacking 6
Parts and Buttons 7
Installation 8
- Basic Operation of the Projector 8
- How to Install the Projector Using a bracket 9

REMOTE CONTROL 10

Remote Control 10

WATCHING PROJECTOR 11

Basic Introduction 11
- Using Mouse 11
- Power on/off 11
- Focus and Position of the Screen Image 11
- Status bar 11
- Connecting to the computer 11

Applications 13
- Music 13
- Movie 14
- Photo 17
- Office Viewer 19
- Screen Projection 20

− HDMI 22
− Network Settings 23
− File Browser 28
− Settings 30

MAINTENANCE 35

Cleaning the Projector 35
− Cleaning the lens 35
− Cleaning the Projector Case 35

SPECIFICATIONS 36

Specifications 36

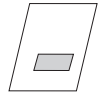
ASSEMBLING AND PREPARING

Unpacking

Check your product box for the following items. If there are any missing accessories, contact the local dealer where you purchased your product. The illustrations in this manual may differ from the actual product and item.

Projector

Remote Control



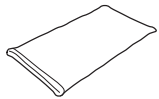
User Manual

HDMI Cable

Power Adapter

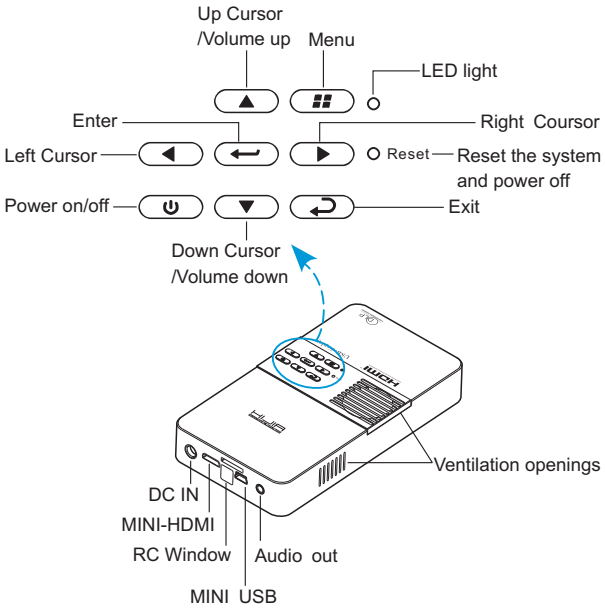
Gift

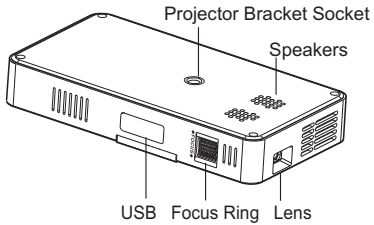
Projector Bracket



Poejector Carrying Bag

Parts and Buttons





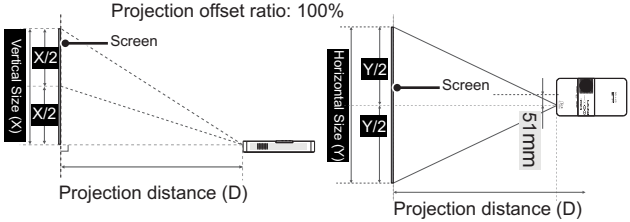
Installation

Basic Operation of the Projector

1 Place the projector with the desired distance from the screen. The distance between the projector and the screen determines the actual size of the image.

2 Position the projector so that the lens is set at a right angle to the screen. If the projector is not set at a right angle, the screen image will be crooked. Although, slight angles can be counteracted using the Keystone adjustement.

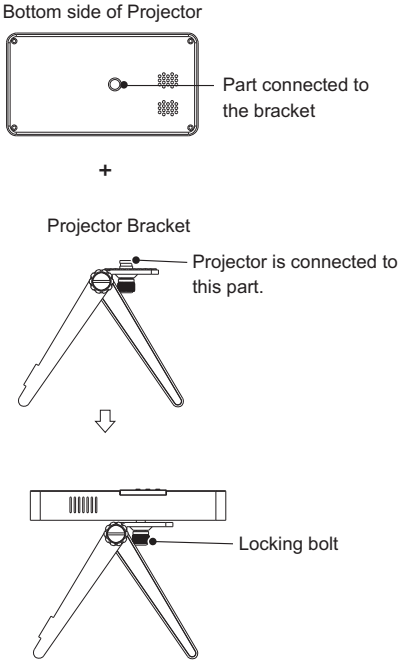
3 After placing the projector in its desired location, connect the video input. Then connect the power cable to the projector and the wall outlet.



16 : 9 Scale			
Diagonal Size(mm)	Horizontal Size(Y) (mm)	Vertical Size(X)(mm)	Projector Distance(D) (mm)
508	431	269	586
635	538	337	737
762	646	404	887
889	754	471	1038
1016	861	539	1200
1143	969	606	1342
1270	1077	673	1492
1397	1185	741	1643
1524	1292	808	1794
1651	1400	875	1947
1778	1508	943	2097
1905	1615	1010	2248
2032	1723	1077	2399
2159	1831	1145	2552
2286	1938	1212	2702
2413	2046	1279	2853
2540	2154	1347	3004

How to Install the Projector Using a Bracket

* When stabilizing the projector bracket,we recommend using the locking bolt of standard size 6.0 mm.

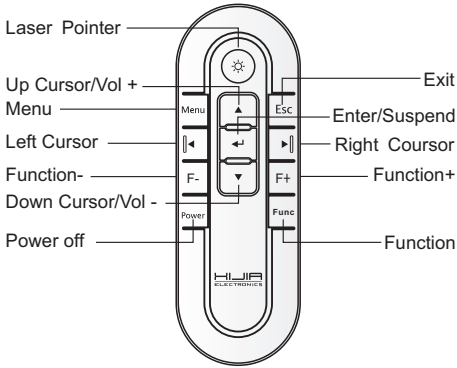


REMOTE CONTROL

The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully and use the projector correctly. To replace batteries, open the battery cover, replace batteries (1.5 V AAA) matching the ⊕ and ⊖ ends to the label inside the compartment, and close the battery cover. To remove the batteries, perform the installation actions in reverse.

CAUTION

- Do not mix old and new batteries, as this may damage the remote control.
- Dispose of used batteries at a recycling drop-off location.
- Optimal remote range is less than 6 meters and within a 60 degree arc of the IR receiver.



CAUTION

- Press “**Func**” and “**F+**” /“**F-**” key of the remote control to set the Volume / Brightness / Keystone , and press “**Func**” key confirmed.

WATCHING PROJECTOR

Basic Introduction

Using Mouse

Using mouse:You can insert directly the mouse or keyboard to “USB host”. And you can use the mouse and keyboard to do any operation on EX-1120.

Power on/of

1 Press “Power” key for about 3 seconds.
2 At power−on status, press “Power” key twice to turn off the EX-1120.

CAUTION

- Remote control only with power off features.

Focus and Position of the Screen Image

When an image appears on the screen, check if it is in focus and fits the screen properly.

- To adjust the focus of the image, rotate the focus ring.

Status bar

1

Show the battery level

2 16:20

Display the system time

3

The WiFi icon will display when connect a hotspot successfully in Network Settings.

Charging the Battery

1 Connect one end of the supplied AC adapter to the DC IN port of the EX-1120 and the other end to a wall outlet.

2 The Power LED turns red and the charging starts.

Charging Method	Charging time
EX-1120 power switch off, connected to AC adapter	4 hours approximately
EX-1120 power switch on with AC adapter	6 hours approximately

Reading LED indicators

LED Indicator	Description
Red	EX-1120 is charging
Go out	When AC power adapter is connected that indicates a fully charged battery

Connecting to the computer

The EX-1120 can connect to computer with USB cable、HDMI cable or WIFI. Connecting with WIFI you can reference page 21,connecting with HDMI cable you can reference page 22 and with HDMI you can reference page 33.

Applications

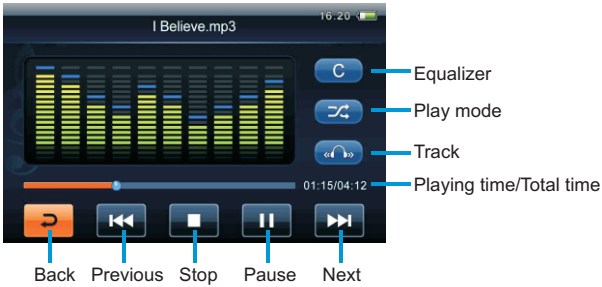
Music

Music file compatibility

mp3, mp2, aac, amr, ape, wma, awb, flac, m4a, ogg, mid, midi, wav, mka, ra, mp1, ac3

1 **Open music list:** Press “**Up**” / “**Down**” / “**Left**” / “**Right**” key to select the Music icon in main menu, and press “**OK**” key to open the music list.

2 **Play music :** By default, it selects the first item of the song list, press “**Up**”/“**Down**” key to select a song, then press “**OK**” key to play it. Meanwhile theplaying UI will appear as below.



3 **Adjust volume:**You can press “**Up**” / “**Down**” key to adjust the volume at any application interface.

Movie

Movie file compatibility

mkv, 3gp, 3g2, avi, flv, mov, mp4, ts, mpg, m4v, vob, dat,wmv, asf, ram

1 **Open movie list:** Press “**Up**” / “**Down**” / “**Left**” / “**Right**” key to select the Movie icon in main menu, and press “**OK**” key to open the movie list.

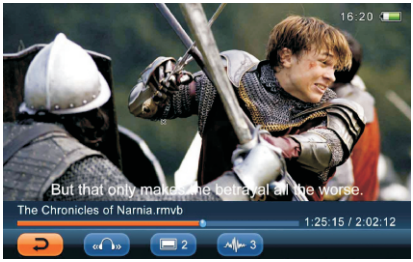
2 **Play the movie:** By default, it select the first item of the movie list, press “**Up**”/“**Down**” key to select a movie, then press “**OK**” key to play it at full screen.

CAUTION

- **Adjust volume:**You can press “**Up**” / “**Down**” key to adjust the volume at any application interface.

3 **Pause / Resume the movie:** When playing the movie at full screen, press the “**OK**” key to pause the movie, and press the “**OK**” key again to resume it.

4 **Fast forward / Fast backward:** When playing the movie at full screen, press repeatedly “**Left**” key to fast backward the movie at the speed of 2X/4X/8X/16/32X; press repeatedly “**Right**” key to fast forward the movie at the speed of 2X/4X/8X/16/32X. The speed of fast forward or fast backward will display on the top left corner of the screen.
Resume normal playback: When you press the “**Left**” or “**Right**” key to fast backward or fast forward the movie, press the reverse key will resume the normal playback mode.



5 **Show / hide the control bar:** Press “**Menu**” key to show the control bar. Press “**Menu**” key again to hide the control bar or the control bar will disappearautomatically if there is no user input for 5 seconds.

Movie playing function buttons as below:

Return to previous menu

/ / Switch the audio channel: Left / Right / Stereo

2 / Switch different internal or external subtitle / Disable subtitle (if available in the movie)

3 Switch different audio track (if available in the movie)

6 **Audio channel:** Press “**Left/Right**” key to select , press “**OK**” key to switch the audio channel.

7 **Subtitle:** Press “**Left** / **Right**” key to select 2 , press repeatedly “**OK**” key to switch different internal / external subtitle or disable the subtitle. The number on the button will be changed accordingly when switch different subtitle. The supported internal subtitle formats are ASS and UTF8, and supported external subtitle formats are SSA, ASS, QTTEXT, SMI, DKS and SRT. If there is no subtitle in the movie, the icon will become grey andunusable ( ).

8 **Audio track:** Press “**Left** / **Right**” key to select

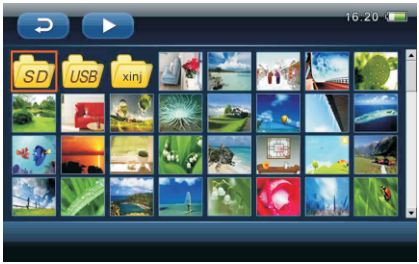
, press repeatedly “**OK**” key to switch different audio track. The number on the button will be changed accordingly when switch different audio track. If there is no audio track in the movie, the icon will become grey and unusable ( ).

Photo

Photo file compatibility

jpeg, bmp, png

1 **Open Photo:** Press “**Up**” / “**Down**” / “**Left**” / “**Right**” key to select the Photo icon in main menu, and press “**OK**” key to open the photo list.



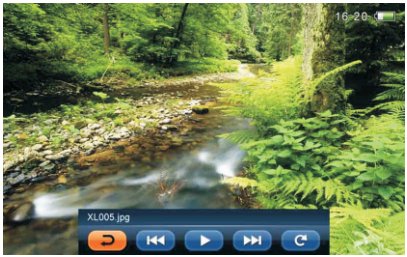
2 **View details of the photo:** Press “**Up**” / “**Down**” / “**Left**” / “**Right**” key to select a photo, the photo’s details such as name, image resolution, image size and update time will display at the bottom of the screen.

3 **View photos at full screen:** Press “**Up**” / “**Down**” / “**Left**” / “**Right**” key to select a photo, then press “**OK**” key to view it at full screen.

4 **Slide show:** Press “**Menu**” key to switch the selection to the back button, then press “**Right**” key to select , then press “**OK**” key to view the photos in slideshow mode. If you set the background music on in **Settings>Audio Option>Background music,** it will play the music of the .mp3 format in the folder of “Musics” in local memory as the background music.

5 **Stop slide show:** Press “**Menu**” key to stop slideshow and display the control bar as below.

6 **Show/hide the control bar:** Press “**Menu**” key to show the control buttons and the file name. Press “**Menu**” key again to hide them or the control bar will disappear automatically if there is no user input for 5 seconds.



7 **Zoom in the photo:** When view the photo at full screen, repeat to press the “**OK**” key 4 times to enlarge the photo with 4 levels. You can view all contents of the photo by pressing “**Up**” /“**Down**” /“**Left**” / “**Right**” key after the photo is zoomed in.

8 **Rotate the photo:** Press “**Right**”key to select in the control bar, then repeat to press the “**OK**” key to rotate the photo with 90, 180, 270 degrees.

9 **View previous / next picture:** Choose one of the following two ways:

- Press “**Left**” /“**Right**” key to view previous / next picture when view photos at full screen.
- If the control bar appears, select / at the bottom of screen and press “**OK**” key.

Photo control buttons:

Return to previous menu.

/ View previous / next picture.

View pictures in a slideshow mode.

Rotate the picture with 90, 180, 270 degrees.

Office Viewer

Office viewer file compatibility

txt, pdf, doc, ppt, xls, docx, pptx, xlsx, hwp, htm, html,jpg, jpeg, gif, bmp, epf, png, emf, wmf

1 **Open file list:** Press “**Up**” / “**Down**” / “**Left**” / “**Right**” key to select the Office Viewer icon in main menu, and press “**OK**” key to open the file list.

2 **Open the file:** By default, it select the first item of the file list, press “**Up**” / “**Down**” key to select a file, then press “**OK**” key to open it.

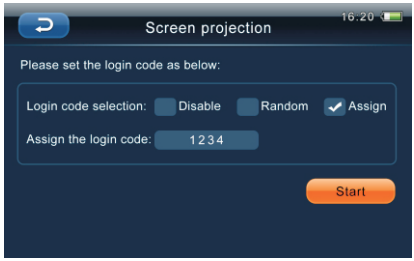
3 **Turning a page:** You can press “**Up**” /“**Down**” key to turn the page when the page size is original. The turning page is not available after the page size is zoomed in.

4 **Zoom in the document:** When view the document, repeat to press the “**OK**” key 4 times to enlarge the document with 4 levels. You can view all contents of the document by pressing “**Up**” /“**Down**” /“**Left**” / “**Right**” key after the page size is zoomed in.

Resume the original size: After zoom in to the largest level, press the “**OK**” key, the document will go back to the original size.

Screen Projection

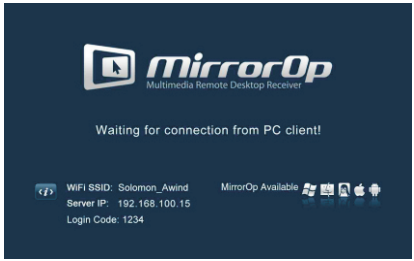
Press “**Up**” / “**Down**” / “**Left**” / “**Right**” key to select the Screen Projection icon in main menu, and press “**OK**” key to enter into below UI.



1 **Set the login code:** By default, the “Disable” item is selected, and the login code function is disabled. If you want to set the login code, you can press “**Right**” key to select “Assign” item, then select the login code input box and then press “**OK**” key to open the virtual keyboard, you can input the login code using the virtual keyboard.

CAUTION

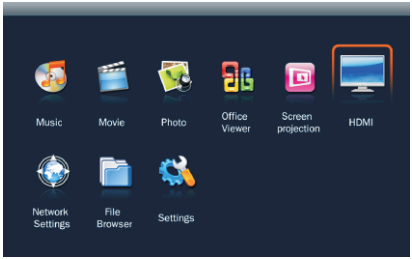
- If you select “Random” item, system will assign a login code randomly.
- You are allowed to input 4 digits for the login code.



2 **Start connection:** Press “**Menu**” key to switch the selection to the “Start” button, and then press “**OK**” key to enable the network connection and setup with the configured network settings.

You need to start the screen projection on EX-1120 first. Then, start the screen projection from PC side by using the MirrorOp sender software. Please refer to the descriptions on www.mirrorop.com website to get the details on the PC sender software. While waiting for connection, the standby window shown above will be displayed. After the software on PC runs successfully, you would see the display desktop of the PC on the device screen.

HDMI



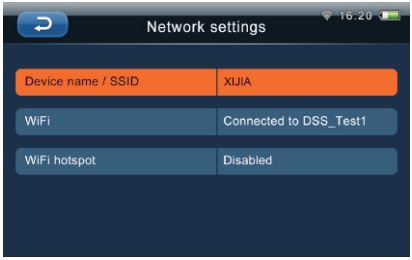
1 **Connect:** You need to connected the EX-1120 to processor first and the processor in startup state.

2 **Switch to HDMI display mode:** Press “**Up**” / “**Down**” / “**Left**” / “**Right**” key to select the HDMI icon in main menu, and then press “**OK**” key to enter the HDMI output application.

3 **Back to main menu:** Press “**Menu**” key to switch the selection to , then press “**OK**” key to return to main menu. Or press “**Back**” key to return to main menu. In this case, the device will still stay at current display mode.

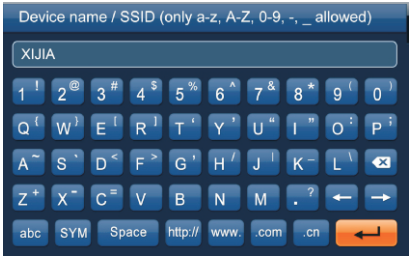
Network Settings

Press “**Up**” / “**Down**” / “**Left**” / “**Right**” key to select the Network Settings icon in main menu, and then press “**OK**” key to enter into below UI.



Device name / SSID

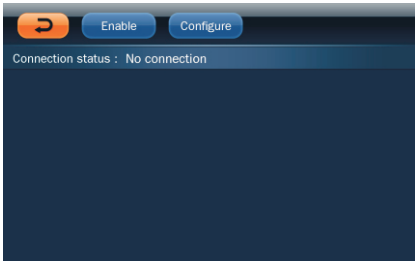
1 **Set Device name / SSID:** Select the “Device name / SSID” item, and then press “**OK**” key to open the virtual keyboard in full screen. You can input the device name / SSID using the virtual keyboard.



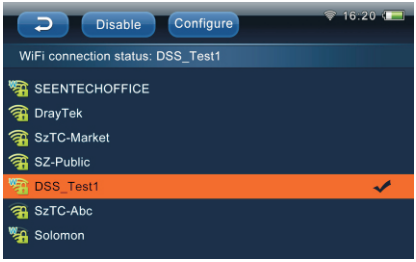
After complete the device name/SSID input, press “**Menu**” key to select and then press “**OK**” key to close the virtual keyboard and return to Network settings UI. Alternatively, you can also use the off-the-shelf wireless keyboard to enter the device name / SSID.You are allowed to input only total 15 letters or numbers for the device name / SSID.

WiFi

WiFi mode is to use EX-1120 as a WiFi device and connect to other hotspot. Select the WiFi item in network settings, and then press “**OK**” key to enter WiFi setting UI as below.



1 **Enable / Disable WiFi:** Press “**Left**” / “**Right**” key to select “Enable” / “Disable” button on the top of the screen, and press “**OK**” key to enable or disable WiFi. If the WiFi is enabled, the button will be “Disable”. If the WiFi is disabled, the button will be “Enable”.



After enabling the WiFi, a list of available hotspots will be shown.

2 **Connect a hotspot:** Press “**Up**” / “**Down**” key to select a hotspot in the list after searching hotspot, and then press “**OK**” key to connect the hotspot.

Input key:

-If there is signal & lock icon in front of the hotspot name, it means this

hotspot is encrypted. Consequently, the above connection window will appear on the screen when connect the hotspot. Select the input box of key and then press “**OK**” key to open the virtual keyboard in full screen. You can input the key using the virtual keyboard. Press “**Menu**” / “**Down**” key to select “Connect” button after completed the key input, and then press “**OK**” key to connect the hotspot. Alternatively, you can also use wireless keyboard to input.

-If there is the signal icon without lock icon in the front of the hotspot name, you can connect this hotspot directly and no need to input key.

3 **Show the key:** By default, the key inputted is not shown. If you want to see the key after input the password, you can press “**Down**” key to select the item “Show the key” and then press “**OK**” key to enable the item before the key input.

4 **WPS:** If there is a “W” icon in front of the hotspot name, it means that this hotspot supports WPS. When connect this hotspot, a different connection window will be shown. You can select the WPS option to enable the WPS function.

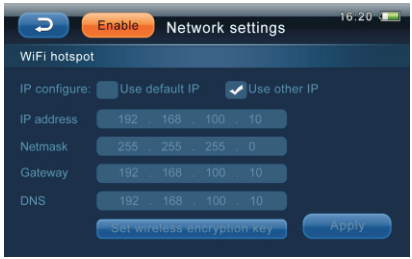
Auto assign IP: If selected “Auto assign IP”, it will automatically request an IP address via DHCP.

Manually assign IP: If select “Manually assign IP”, you can set IP address, Netmask, Gateway, DNS manually.

WiFi hotspot

WiFi hotspot function is to program EX-1120 as a hotspot so that other WiFi device can connect to EX-1120.

1 **Enable / Disable WiFi hotspot:** Press “**Right**” key to select “Enable” / “Disable” button on the top of the screen, and press “**OK**” key to enable or disable WiFi hotspot.



2 **IP configure:** By default, the “Use default IP” is selected, the items ”IP address”, “Netmask”, “Gateway” and “DNS” are invalid, and their default values will be displayed on the screen. You can select “Use other IP” by pressing “**Right**” key and then set the new IP.

3 **Set wireless encryption key:** Press “**Down**” key to select the “Set wireless encryption key” button, and then press “**OK**” key to open the “Set wireless encryption key” window as below. By default, the projector will work under no-encryption mode.

4 **Set the encryption mode:** By default, the “Disable” item is selected, and you cannot set the encryption key. But you can press “**Left**” / “**Right**” key to select one of other two encryption modes, and set the encryption key accordingly.

Input the encryption key: Press “**Up**” / “**Down**” key to select the key input box after selected an encryption mode, and press “**OK**” key to open the virtual keyboard in full screen. You can input the encryption key using the virtual keyboard.

Show the encryption key: By default, the encryption key inputted is not shown. If you want to see the encryption key after input the encryption key, you can press “**Down**” key to select the item “Show the encryption key” and then press “**OK**” key to enable the item. Select the item again and then press “**OK**” key to disable the item, the encryption key inputted will not be shown.

You are allowed to input 10-20 ASCII characters for WEP encryption mode or 10-20 ASCII characters for WPA-PSK or WPA2-PSK encryption mode. If the encryption key inputted beyond the allowed amount, will pop-up the reminder window.

5 **Apply the encryption key:** Press “**Down**” / “**Menu**” key to select “Apply” button after completed the key input, and the encryption key inputted will be saved and return to WiFi hotspot UI after pressing “**OK**” key.

NOTE

- If you want to remove the encryption key after set the encryption key successfully, you can select “Disable” item on the above window, and the encryption key will become invalid.

File Browser

1 **Open file browser:** Press “**Up**” / “**Down**” / “**Left**” / “**Right**” key to select the File Browser icon in main menu, and press “**OK**” key to open it.

2 **Change the storage device:** By default, it shows the local (Nand flash) files,you can press “**Menu**” key a few times to select Local or TF or USB , press “**OK**” key to view the files invarious storage device.

3 **View the file list in different style:** Press “**Left**/**Right**” key to select the style button (/), and then press “**OK**” key to switch the viewing style, view the files in icons mode or list mode.

4 **Copy files:** Press “**Menu**” key a few times to select , and press “**OK**” key, it will flash, and the selection will switch to the center area,

press “**Up**” / “**Down**” /“**Left**” / “**Right**” key to select the file you want to copy, press “**OK**” key to confirm your selection, when the selection finished, press “**Menu**” key to select again and press “**OK**” key, the selected file(s) will be copied.

Paste files: When the copying finished, select the path which you want to paste to, select and press “**OK**” key to paste the copied files. The waiting animation will appear when pasting.

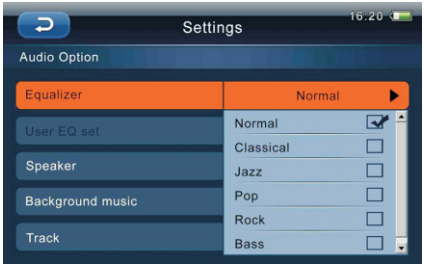
5 **Delete files:** Press the “**Menu**” key to switch the selection to , press “**OK**” key, it will flash, and the selection will switch to the center area, press “**Up**” / “**Down**” / “**Left**” / “**Right**” key to select the file you want to delete, press “**OK**” key to confirm your selection, when the selection finished, press the “**Menu**” key to select the again and press “**OK**” key, the reminder window will appear as below.

6 **Sort the files:** Press “**Menu**” key to switch the selection to the bottom buttons, and then press “**Left**” / “**Right**” key to select the sort button (Sort), press “**OK**” key to change the sort according to the file’s size, name, type or date.

7 **Music playing:** Select the music you want to play, and press “**OK**” key to play it, the stop music button ( ) will appear at the bottom right of the screen.
Stop music: Press “**Menu**” key to switch the selection to the bottom button, press “**Left**” / “**Right**” key to select , and then press “**OK**” key to stop the music. Meanwhile the stop music button will disappear.

Settings

Audio option



1 **Set EQ:** By default, it select “Equalizer”, press “**OK**” key to show the EQ sub menu, press “**Up**” / “**Down**” key to select the EQ: Normal / Classical / Jazz / Pop / Rock / Bass / User EQ set, press “**OK**” key to set it and close the sub menu.

2 **Speaker set up:** Press “**Down**” key to select “Speaker”, press “**Left**” / “**Right**” key to select “Always on” or “Auto”.

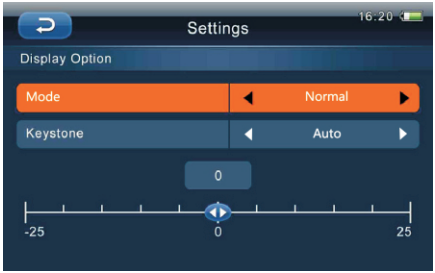
3 **Background music for photo slideshow:** Press “**Down**” key to select “Background music”, press “**Left**” / “**Right**” key to select “On” or “Off”. If you select “On”, it will play the music file in the folder named “musics” in Local when photo slideshow.

4 **Set track:** Press “**Down**” key to select “Track”, press “**Left**” / “**Right**” key to select the track status: “**Left**”, “**Right**” or “Stereo”.

Display option

1 **Model:** By default, it select “**Normal**”, press “**Left**” /“**Right**” key to set the display mode:Ceiling /Manual / Regr.

2 **Adjust Keystone:** Press “**Menu**” key to select “Keystone”, press “**Left**” / “**Right**” key to set the adjust keystone: Manual / Auto.



System option

The system setting includes language setting, system information, date and time, loading default settings and formatting memory / SD card.

1 **Set the language:** By default the “Language” item is selected, press “**OK**” key to show the sub menu, press “**Up**” / “**Down**” key to select the language you want to use: English / 简体中文 / Français / Deutsch / español / Português / Italiano, press “**OK**” key to set it and close the sub menu.

2 **System information:** Press “**Up**” / “**Down**” key to select “Information”, press “**OK**” key to show the system information.

3 **Date/Time:** Press “**Up**” / “**Down**” key to select “Date/Time”, press “**OK**” key to show the setting window.

Set the time zone: By default it select “Time zone”, press “**OK**” key to show the sub menu of time zone, then press “**Up**” / “**Down**” key to select your location, and press “**OK**” key to set it and close the sub menu.

Automatic get time from network: Press “**Menu**” key to select the automatic get network time, press “**OK**” key to disable or enable automatic get time from network.

4 **Format memory / SD card:** Press “**Down**” key to select “Format memory / SD card”, press “**OK**” key to show the sub menu. Select “Format memory” or “Format SD card” and press “**OK**” key, the reminder window will appear, select Yes and press “**OK**” key to do it, and the reminder info will appear as below. Press “**Right**” key to select No and press “**OK**” key to cancel and close the reminder window.

Play mode

1 **Set the play mode:** Press “**Up**” / “**Down**” key to select a play mode for music and movie: Repeat none / Shuffle / Repeat one / Repeat all.

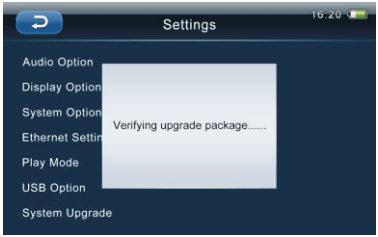
USB option

1 **Data storage mode:** By default it select the “Data storage mode” item, press “**OK**” key, will enter file exchange mode, and the reminder massage will appear at the screen. You will see one or more removable disks partitions on your PC, depending on a SD card being inserted in the EX-1120 or not.

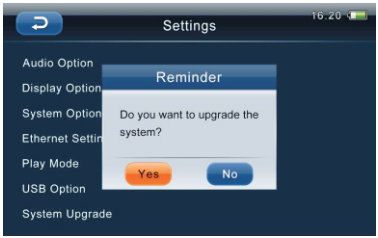
2 **VGA streaming mode:** Connect the PC to the “USB device” port on the device via the USB cable, then select the item of “VGA streaming mode” and press “**OK**” key, it will enter the USB streaming mode. Waiting a few seconds, the EX-1120 screen will display the desktop of the PC. Press “**Back**” key to back to USB Option UI during USB streaming.
If the USB cable is not inserted when you start to enter Data storage mode or VGA streaming mode, the reminder window will appear.

System upgrade

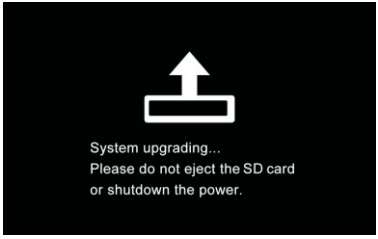
System upgrade will upgrade the system from the image files stored on SD card or USB disk. SD card or USB disk should contain a folder called “upgrade” at the root level. This folder shall contain two files, one is “upgrade.img” and another is “upgrade.md5”. Both should be copied from the release package.



1 **System upgrade:** Press “**Up**” / “**Down**” key to select “System upgrade”, press “**OK**” key to verify the upgrade package in the SD card or USB disk.



2 If the verification is successful, the reminder window will appear, the default selection is Yes, press “**OK**” key to upgrade the system, and the upgrade window will appear as below, select No and press “**OK**” key to cancel and close the window.



When the upgrade finished, the system will shut down automatically.

MAINTENANCE

Cleaning

Cleaning the lens

Use an air spray or cleaning cloth for product exterior, provided with the product, to lightly clean the product. Please use a recommended air spray or lens cleaning product.To clean lens, small amount of cleaning agent on a swab or a soft cloth and rub on the lens. Please be aware that liquid may flow pass through the lens if the product is sprayed on lens directly.

Cleaning the Projector Case

To clean the projector case, first unplug the power cable. To remove dirt or dust, wipe the casing with polish cloth provided. When you want to remove the dust or stain on the lens, use the cloth for product exterior, provided with the product.
Do not use alcohol, benzene, thinners or other chemical detergents as these can cause the casing to be warped or discolored.

SPECIFICATIONS

MODEL	EX-1120	
Lamp	RGB LED(Life of over 30,000 hours)	
Projector technology	DLP(.3"DMD WVGA)	
Brightness	120Lumens (standard bright mode)	
Native Resolution	854x480(WVGA)	
Contrast ratio	⩾1000:1	
Colors Gamut(Typical)	100%NTSC	
Uniformity	≥70%	
WIFI	Support	
Screen size/Distance	100"@360mm	
Aspect Ratio	4:3(Horizontal:Vertical)	
Throw Ratio	1.67	
Projection Offset	100%	
Remote control distance	6m	
Keystone	±30°	
Built-in Speakers	0.8Wx2	
DC IN	DC 5V 3A(Adaptor Input 100-240V)	
Battery life	Up to 150 minutes	
I/O connector	mini HDMI、USB、miniUSB, TF card, AUDIO OUT	
Height（mm）	22.0	
Width（mm）	74.0	
Length（mm）	138.0	
Weight(g)	300(with battery)	
Power consumption(W)	12	
Operating Condition	Temperature	
	In operation	-10℃-50℃
	In storage and transit	-20℃-60℃
	Humidity (relative humidity)	
	In operation	25%-75%
	Not in operation	0%-85%

LIMITED WARRANTY FOR EX-1120

1. A. Subject to the terms and conditions in this limited warranty, Ningbo Xijia Electrical Appliance Co.,Ltd.(XIJIA) warrants to the original purchaser at retail (the “Purchaser”) of this pico projector (the “projector”) that should, in XIJIA’s judgment, the projector prove to be defective by reason of improper workmanship and/or materials, XIJIA shall repair or replace, at its option, any defective part of the projector without charge for the part(s) for the period specified in Paragraph 1B of this limited warranty and shall, for the period specified in said paragraph, bear the entire labor expense for any warranty repair of the defective projector when such labor is performed at an authorized XIJIA service center.

1. B. The following chart sets forth the period and coverage of XIJIA’s limited warranty by product. The limited warranty period commences on the date of purchase of the pico projector by the Purchaser as indicated in the sales invoice, or proof of purchase.

PROJECTOR COMPONENT	WARRANTY PERIOD	COVERAGE
MODE:EX-1120	1 Year from verifiable date of purchase	Parts and Labor
LIGHT SOURCE (LAMP)	12 Months or 1,000 Hours whichever comes first.	Parts Only
TI-DLP DMD CHIP	3 Years or 10,000 Hours whichever comes first. From verifiable date of purchase.	Parts and Labor

1. C. All parts, including the lamp, when replaced shall be warranted for the remainder of the product’s original warranty period, or 90 days from the replacement date of record thereof, which ever is longer. To obtain warranty service, the Purchaser must notify Technical Support of any alleged defect and return the product within the applicable warranty period.

1. D. Replacement lamps purchased post-warranty or as an add-on item are warranted for the period outlined in the Light Source (Lamp) section in the table above. All other parts purchased or used in post-warranty replacement are warranted for 90 days.

1. E. Projectors serviced under this limited warranty shall, at XIJIA’s option, be returned in new or used generic cartons/packing.

1. F. XIJIA reserves the right to request the return of the defective part or product unit being replaced. Failure to return the defective part or product unit upon request by XIJIA may result in XIJIA charging the purchaser the full retail price of the replacement part or product unit.

2. PROOF OF PURCHASE DATE IS REQUIRED WHEN REQUESTING WARRANTY SERVICE. In order to obtain warranty service, the Purchaser must deliver the projector to the nearest authorized XIJIA service center within the warranty period. Shipping expenses are the Purchaser's responsibility. The name and address of the nearest service center can be obtained from a XIJIA dealer or by writing or calling XIJIA at the address and telephone number provided below. THE PURCHASER MUST PRESENT TO THE SERVICE PROVIDER A SALES RECEIPT OR OTHER WRITTEN EVIDENCE ESTABLISHING PROOF AND DATE OF PURCHASE OF DATA PROJECTOR FROM A XIJIA AUTHORIZED RESELLER...

3. THIS WARRANTY DOES NOT COVER damage to the projector and its components caused by modification, alteration, physical abuse to, misuse of, or normal wear and tear to the projector, including without limitation damages resulting from: scratches or marks on the surface of the projector's lens and/or cabinet;repair or service to the projector by anyone other than an authorized XIJIA service center; operation in a manner contrary to the instructions that accompany the projector; freight damage; or by any other damage caused by circumstances beyond XIJIA's control, such as fluctuation in electrical power, lightning or other acts of nature. This limited warranty also excludes any products that have had a serial number or any part thereof altered, defaced or removed. Please consult the user manual enclosed with the projector for information regarding user adjustments and controls, and maintenance and lamp replacement.

4. ANY EXPRESS WARRANTY NOT PROVIDED IN THIS LIMITED WARRANTY, AND ANY REMEDY WHICH, BUT FOR THIS DISCLAIMER PARAGRAPH, MIGHT ARISE BY IMPLICATION OR OPERATION OF LAW IS HEREBY EXCLUDED AND DISCLAIMED. BY WAY OF EXAMPLE AND NOT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR ANY PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED.

5. UNDER NO CIRCUMSTANCES SHALL XIJIA BE LIABLE TO THE ORIGINAL PURCHASER AT RETAIL OR ANY OTHER PERSON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF BREACH OF

WARRANTY, BREACH OF CONTRACT, OR OTHERWISE.

6. Some states do not allow a disclaimer of implied warranties, or the exclusion or limitation of incidental, special or consequential damages. Consequently, the disclaimer and limitations set forth in Paragraphs 4 and 5 above may not apply to all original purchasers at retail.

7. This warranty gives specific legal rights, and the Purchaser may also have other rights, which vary, from state to state.

Guarantees

* Please fill in and save

User Name:		
Tel:		
Address:		
Postal code:		
Mode:	Color:	
Serial number	Invoice number	
Date of purchase		
Name of machine sales		
Address of machine sales		
Tel of machine sales		
User's signature		

Ningbo Xijia Electrical Appliance Co.,Ltd

Add：No.168 Industrical zone,Hainan Village,Simen Town,
Yuyao City,Ningbo,Zhejiang Province,China

P.C：315470

Tel：+86-0574-62189992

Fax：+86-0574-62189993

http://www.cnxjdq.com