Technaxx® * User Manual
Mini LED Beamer TX-113

The Declaration of Conformity for this device is under the Internet link: **www.technaxx.de/** (in bottom bar "Konformitätserklärung"). Before using the device the first time, please read the user manual carefully.

Service phone No. for technical support: 01805 012643 (14 cent/minute from German fixed-line and 42 cent/minute from mobile networks).
Free Email: **support@technaxx.de**

Keep this user manual for future reference or product sharing carefully. Do the same with the original accessories for this product. In case of warranty, please contact the dealer or the store where you bought this product.   **Warranty 2 years**

Enjoy your product * Share your experience and opinion on one of the well-known internet portals.
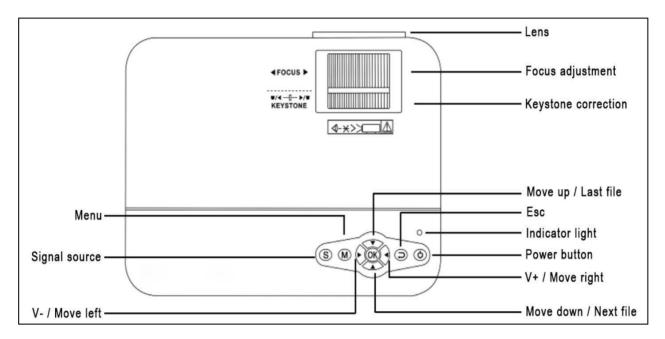
Features

● Mini projector with multimedia player

● Projection size from 32" to 176"

● Integrated 2 watts stereo speakers

● Manual focus adjustment

● Long LED lifetime 40,000 hours

● Connectable with Computer/Notebook, Tablet, Smartphone and Gaming consoles via AV, VGA, or HDMI

● Playback of Video, Photo and Audio Files from USB, MicroSD or external harddisk

● Usable with Remote Control

Product view & Functions

Menu	Move up / Last file
Signal source	Esc
V– / Move left	Indicator light
Lens	Power button
Focus adjustment	V+ / Move right
Keystone correction	Move down / Next file

Power button: Press this button to shut on or off the device.

Volume plus and minus button: Press the two buttons to increase or decrease volume. They can also be used in the menu as selection and parameter adjustment.
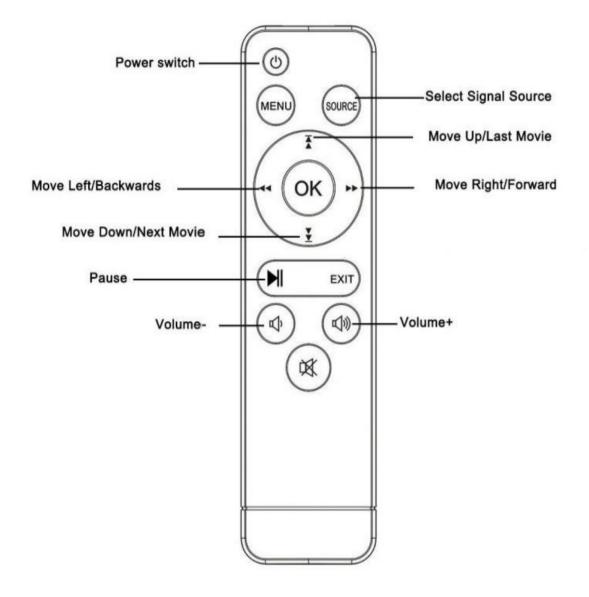
Menu: Bring up the main menu or exit system.

Arrow keys: Move up, down, left or right in the menu options.

Signal source: Select the signal or an external video signal. It is also usable as "play" button.

Lens: Rotate the lens to adjust the image.

Air outlet: Do not cover the air cooling openings during operation to avoid burns.

Remote control & Functions

Power Switch	OK
Menu	Play / Pause
Select Signal Source	Exit
Move Up / Last File	Volume down
Move Left / Backwards	Volume up
Move Right / Forward	Mute
Move Down / Next File	

→ Between the remote control and remote control receiving host window, do not put any items, In order to avoid blocking the signal.

→ Point the remote control to the left side of the device or the projection screen, to receive the Infrared Radiation.

→ Such as long-term when not in use take out the battery, remote control to prevent battery leakage corrosion.

→ Do not put the remote control in high temperature or damp places, in order to avoid damage.

● **Power on / Power off**

After the device gets power through the adapter, it goes into stand-by status:

→ Press the **POWER** button on the device or on remote control to turn the on the device.

→ Press the **POWER** button again to turn off the device.

→ Pressing the **POWER** button once again can shut down the engine power. TX-113 will stay in standby as long as it is connected with the power socket. If you do not use the device for a long time, take the power cord from the power socket.

● Press the **M** button on the device or the **MENU** button on the remote control, to show the MENU screen.

→ According to the remote control or the ◄ ► buttons on the projector you need to adjust or set level menu items, the menu of the selected icon will brighten.

→ According to the remote control or the ▲▼ buttons on the device in the lower menu choice you need to adjust the menu item.

→ Then press the **OK** button on the remote control or the **OK** button on the device, to activate the selected icon menu at secondary menu.

→ Press the ◄ ► ▲▼ buttons, to adjust the parameter values for the selected menu item.

→ **Repeat the second to fifth step to regulate other MENU items, or directly click MENU or EXIT button to EXIT a single interface.**
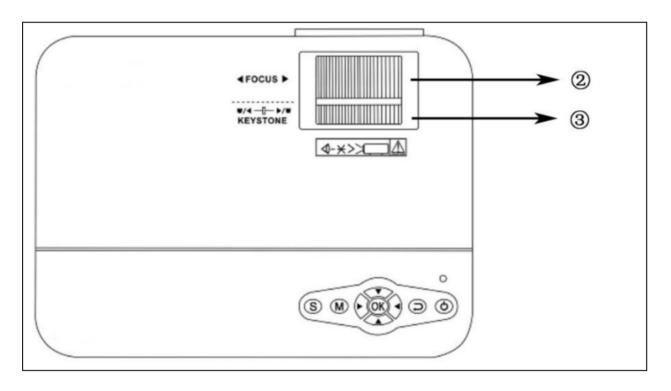
● **Multimedia boot screen**

When the projector starts working, the screen displays takes about 10 seconds to come into the multimedia screen.

● **Focus & Keystone**

Sometimes, the image projected on the wall looks like a trapeze rather than a square, causing distortion that needs to be avoided. You can adjust it with the keystone adjustment wheel (3) → see following picture.

● **Image focus**

Put the device vertical to the projector screen or white wall. Adjust the focus with the focus adjustment wheel (2) until the image is clear enough. Then the focus is finished. During the focusing, you could display video or display the menu to check the adjustment → see following picture.

The device provides optical keystone function, so you could turn the keystone to adjust the image. The device does not have horizontal keystone correction function.

Multimedia connection

VGA input socket: the port can be connected to a computer or other VGA video signal output socket. Refer to the following
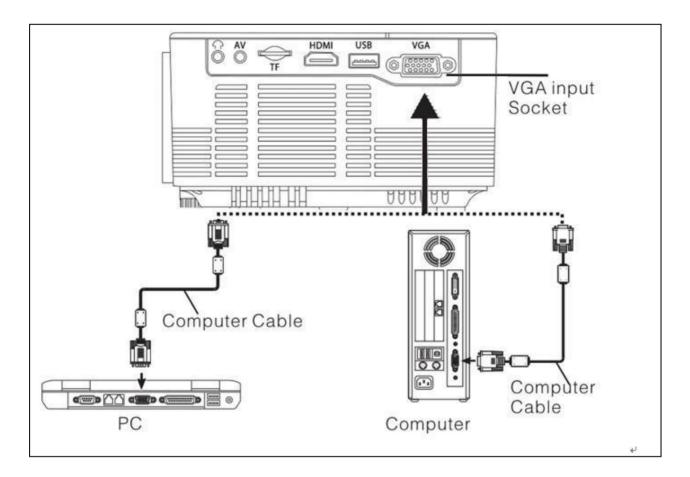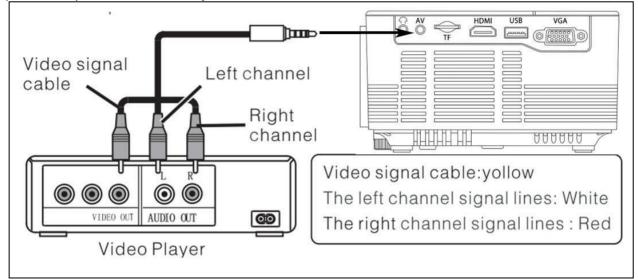
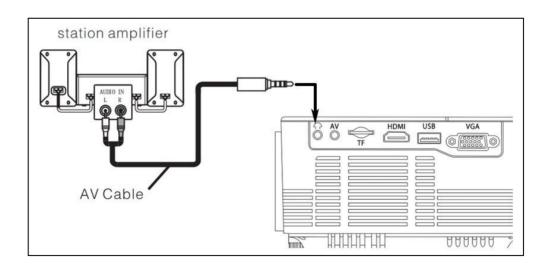**Table parameters to adjust the output signal of the computer (PC)**

Frequency (kHz)	Field Frequency (Hz)
VGA Resolution 640 x 480	
31.5	60
34.7	70
37.9	72
37.5	75
SVGA Resolution 800 x 600	
31.4	50
35.1	56
37.9	60
46.6	70
48.1	72
46.9	75
XGA Resolution 1024 x 768	
40.3	50
48.4	60
56.5	70

NOTE: The device and connection of laptop may not be able to display images at the same time, if that happens, set the computer display attributes, select for CRT output mode.
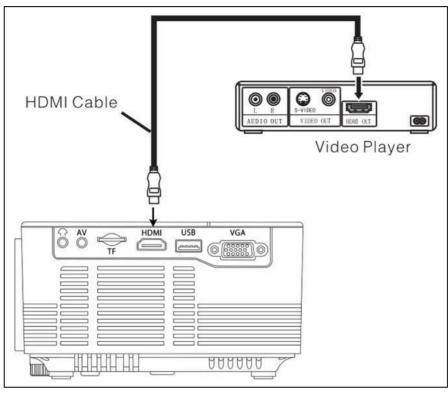
Video input socket: from now on the interface can be connected to the LD player, DVD players, video cameras and video player (VIDEO) or audio output socket.

Audio output: Audio signal from the output port of the device, if you want to high power play music input end connected to external power amplifier.

HDMI signal input: this interface can be used with HD players. You have to connect the supplied HDMI cable from your player to the device.

HDMI Cable

AUDIO OUT   VIDEO OUT   HDMI OUT   Video Player

AV   TF   HDMI   USB   VGA

Operation

Input source selection

→ Selecting an input signal from the device: (Check that the correct signal cable is connected).

→→ Press the **S** button on the device or the **SOURCE** button on the remote control to display the right interface.

→→→ Confirm whether correctly connected to the signal cable press ▲▼ buttons on the device or on the remote control to select the following input PC, AV, HDMI, SD/USB (DMP). Choose your needed input signal with the **OK** button.

Manually operation

Select the menu language

→ Press the **M** button on the device or the **MENU** button on the remote control to enter the **MENU**.

→→ Press the ◄ or ► button to go to **OPTIONS.**

→→→ Press the **OK** button on the device or on the remote control to enter the language option.

→→→→ Press the ▲▼ or ◄ ► buttons, to select the language you need and then press the **MENU** button to accept Settings and exit.

Set Clock Time

→ Press the **M** button on the device or the **MENU** button on the remote control to enter the **MENU**.

→→ Press the ◄ or ► button to go to the **TIME** settings. Press **OK** on the device or on the remote control to enter the time settings. Now you can select the day, the month, the year, the hour and the minutes with the ▲ ▼ ◄ ► buttons. Then press the **MENU** button to accept settings and exit.

Image model

→ Press the **M** button on the device or the **MENU** button on the remote control to enter the **MENU.**

→→ Press the **OK** button to enter the **PICTURE** settings. Now you can choose with the ◄ ► buttons between DEFAULT, SOFT, DYNAMIC and PERSONAL mode. Press the **M** button on the device or the **MENU** button on the remote control to exit the **PICTURE** settings.

→→→ After complete the adjustment, press the **M** button on the device or the **MENU** button on the remote control to save settings and exit.

Color temperature

→ Press the ▼ button to go to the **COLOR TEMPERATURE** settings. Now press the **OK** button to enter the **COLOR TEMPERATURE** settings.

→→ Press the ◄ ► buttons, to choose the settings you need to adjust and then press the buttons ▲▼ or ◄ ► to adjust the values of the parameters of the options (Normal→Warm→Persona→Cool).

→→→ Press the **M** button on the device or the **MENU** button on the remote control to save settings and exit.

Aspect Ratio

→ Press the ▼ button to go to the **ASPECT RATIO** settings. Now press the **OK** button to enter the **ASPECT RATIO** settings.

→→ Press the ▲▼ buttons to choose the parameters. You can choose between AUTO, 16:9 an 4:3. Now press the **OK** button to select the setting you need.

→→→ Press the **M** button on the device or the **MENU** button on the remote control to save the settings and exit.

Noise cancel

→ Press the ▲▼ buttons, to go to the **NOISE REDUCTION** settings. Then press the **OK** button to enter the **NOISE REDUCTION** settings.

→→ Press the ▲▼ buttons, to select the level of noise reduction, and then press the **M** button on the device or the **MENU** button on the remote control to save the settings and exit.

Image projection mode

Image flip → Press the **M** button on the device or the the **MENU** button on the remote. Press ▲▼ to reach projection mode. Press the **OK** button to rotate the image.

Mute

Mute → Press the Mute button repeatedly to close or to open the voice signal.

Sound

→ Press the **M** button on the device or the **MENU** button on the remote control to enter the **MENU**.

→→ Press the ◄ ► buttons to go to the **SOUND** settings.

→→→ Press the ▲▼ buttons to choose the items you need to adjust and then press the ◄ ► buttons to adjust the values of the single items. Press the **M** button on the device or the **MENU** button on the remote control to confirm and exit.

Auto Volume

→ Press the **M** button on the device or the **MENU** button on the remote control to enter the **MENU**.

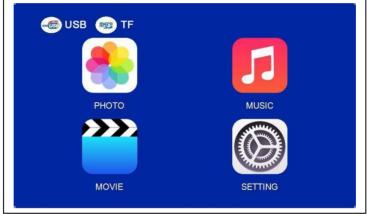→→ Press the ▲▼ buttons, to select **AUTO VOLUME**.

Then press the **OK** button repeatedly to turn off or on the **AUTO VOLUME** settings. Press the **M** button on the device or the **MENU** button on the remote control to confirm an exit.

Multimedia supported format from USB or MicroSD

Audio file: MP3 / WMA / ASF / OGG / AAC / WAV
Picture file: JPEG / BMP / PNG
Video file: 3GP (H.263, MPEG4) / AVI (XVID, DIVX, H.264) /
MKV (XVID, H.264, DIVX) / FLV (FLV1) /
MOV (H.264) / MP4 (MPEG4, AVC) /
MEP (MEPG1) VOB (MPEG2) / MPG (MPG-PS) /
RMVB(RV40)/RM

Choose the content which you need to display: Video, Music, Photo, Text.

The projector supports HDMI, MHL and iPush connection, you can connect your mobile devices and tablets with it.

● This product is NOT recommended for PPT, Word, Excel or business presentation.
● To connect the mini projector with iPad or smart phone, you need a wireless HDMI adapter. *For Android phone which supports MHL, you need a MHL to HDMI cable; for iPhone/iPad, you need a lighting (Lightning Digital AV Adapter) to HDMI adapter cable.*
● To connect the mini video projector with PC/Notebook, help adjust the PC/Notebook display resolution to 800x600 or 1024x768, which can provide the best clarify.

● **Note that it only provides clear image in dark room.**

Technical specifications

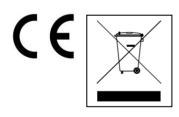|	
Projection technic	LCD TFT projection system / low noise / low light leaking
Lens	Multichip composite coating optical lens
Power supply	AC ~100V-240V 50/60Hz
Projection size / distance	32"–176" / 1-5m
Projector consumption / brightness	50W / 1800 Lumen
Contrast ration / Display colours	2000:1 / 16.7M
Lamp color temperature / lifetime	9000K / 40000 hours
Correction	Optical ±15°
Using time	~24 hours continuously
Audio frequency	2W + 2W
Fan noise	Max. 54dB
Signal ports	**AV input** (1. OVp-p +/–5%) **VGA input** (800x600@60Hz, 1024x768@60Hz) **HDMI input** (480i, 480p, 576i, 720p, 1080i, 1080p) **Headphone Output**
Native resolution	800x480 pixel
USB / MicroSD card / ext. harddisk format	**Video:** MPEG1, MPEG2, MPEG4, RM, AVI, RMVB, MOV, MKV, DIVX, VOB, M-JPEG **Music:** WMA, MP3, M4A(AAC) **Photo:** JPEG, BMP, PNG
USB / MicroSD card	max. 128GB / max. 128GB
External harddisk	max. 500GB
Weight / Dimensions	1014g / (L) 20.4 x (W) 15.0 x (H) 8.6cm
Packing contents	Technaxx® Mini LED Beamer TX-113, 1x AV signal cable, 1x Remote control, 1x HDMI cabel, 1x Power cable, User Manual
Compatible devices	Digital camera, TV box, PC/Notebook, Smartphone, Game console, USB-Device / MicroSD card, external harddisk, Amplifier.

Hints

● Make sure you lay the cable in a way that the danger of stumbling is avoided. ● Never hold or carry the device by the power cable. ● Do not clamp or damage the power cable.

● Ensure that the power adapter do not come into contact with water, steam or other liquids.

● You have to check the complete construction at regular intervals for functionality, tightness and damage to prevent the defect of the device. ● Install the product due to this user manual and operate or maintain it in accordance with the manufacturers operating instructions. ● Only use the product for purposes due to its intended function & only for household use. ● Do not damage the product. Following cases may damage the product: Incorrect voltage, accidents (including liquid or moisture), misuse or abuse of the product, faulty or improper installation, mains supply problems including power spikes or lightning damage, infestation by insects, tampering or modification of the product by persons other than authorized service personnel, exposure to abnormally corrosive materials, insertion of foreign objects into the unit, used with accessories not preapproved.　　● Refer to and heed all warnings and precautions in the user manual.

Safety instructions

● Use standard power cord with ground wire, to ensure stable power supply and the same power voltage with the product marked. ● Do not disassemble the product by yourself, otherwise we will not provide free warranty service. ● Do not look into the lens when the projector is working, otherwise it will damage your eyes easily. ● Do not cover the product's ventilation hole. ● Keep the product away from rain, moisture, water or any other liquid as it is not waterproof. It may cause an electric shock. ● Turn off and cut off the power supply if not use the product for long time. ● Use the original packing when moving the product.

Hints for Environment Protection: Packages materials are raw materials and can be recycled. Do not disposal old devices or batteries into the domestic waste. **Cleaning:** Protect the device from contamination and pollution. Avoid using rough, coarse-grained materials or solvents/aggressive cleaner. Wipe the cleaned device accurately. **Distributor:** Technaxx Deutschland GmbH & Co.KG, Kruppstr. 105, 60388 Frankfurt a.M., Germany