Triangle Global Industries

HOME CINEMA
LCD PROJECTOR
PTV-01C SERIES

USER MANUAL

Triangle Global Industries

CONTENT

1. PRODUCT BRIEF

The new version of the Home Cinema Video Projector PTV01C and PTV01C-1 has the unique function of Zoom. PTV01C also has the Card Reader and the USB input. They also integrate TV playing, AV playing and VGA signal input. With a fine, novel appearance, and shape is a user-friendly design.

With a function of keystone correction, it is suitable for multi-angle playing, and with a screen rotation function, it can be placed on a table or mount on the ceiling. The picture aspect ratio of 16:9 and a super wide screen give you the experience of been at the movies but at your own home.

You can also choose the aspect ratio to 4:3. PTV01C and PTV01C-1 are excellent AV products for home cinema/ playstation/Ps2/ps3/xbox360//bar /nightclub.

In order to use the projector more conveniently and in a correct way, please read this User Manual carefully before you use the projector and keep it handy for future reference. The Following section regarding the Card Reader and the USB input is for the PTV01C only.

2.1 CAUTIONS

Electrical devices are not for children

There is intense light in the lens. Do not look into the lens directly. Never allow children to look directly into the lens.

Keep the device and batteries out of reach of small children. Ifa battery is swallowed seek medical help immediately.

Moisture and Cleaning

This product is not waterproof! Do not immerse the player in water or let it come in contact with water.

If water penetrates into the player, it can cause serious damage. Do not use cleaning agents, which contain alcohol, ammonia, benzene, as these can damage the player. Use a soft, damp cloth for cleaning.

Heat

Do not expose the device to direct sunlight. Ensure that the device is not exposed to any direct sources, such as radiatorsor open fires. Ensure that the ventilation slots of the devices are not covered.

Interference with other equipment

If TV or radio interference occurs during use, place the device in a different location of the room/building.

Batteries-Instruction on environment protection
Professional recycling

Batteries and packaging should not be disposed of in the trash. Batteries must be handed over to a collection center for used batteries to help with the protection of the environment.

2.2 IMPORTANT SAFETY ADVICE

1. The projector is very bright never look directly into the light source. Make sure children do not look directly into the light.

2. The machine might not come into contact with liquid, to avoid the danger of electric shocks.

3. The area around the lamp will be very hot. Avoid contact with this area.

4. If you want to change the lamp by yourself, see the "replacing the lamp" section. When the projector is working, the lamp temperature is extremely high. Wait for 45 minutes to let the lamp cool down and cut off the main power before replacing the lamp.

5. The encasing may not be opened there is no part inside of the machine, which the users must adjust.

6. Avoid turning the projector on/off too often. Each time after turning off, you should wait at least 15 minutes before turning the machine on once again. Otherwise, the gas-discharging lamp inside the projector can become damaged, or its durability can be reduced. If the lamp turns on/off on its own or it is not bright enough,

then it is damaged and must be replaced. In order to prolong the life of the lamp, after using the projector for continuously 4 hours, turn off the projector.

Wait for 15 minutes before turning on theprojector again.

7. After turning the machine off with the remote control or with the on/off switch, wait another 10 minutes before disconnecting the machine from power. The ventilator of the machine will still run for sometime to cool the lamp down.

8. After turning the machine off with the remote control or with the on/off switch, the remote control is without function for 10 minutes.

9. Because the temperature around the lamp is very high, the existing air vent may not, in any case, be covered up.

10. There are several protective integrated circuits inside the projector. If the projector functions normally, the green control light will shine steadily. If the temperature inside the projector exceeds the alarm will sound and the blue control light will shine.

In this case, the projector must be immediately turned off.

11. Because of the property of the LCD, bright spots can appear on the picture if the contrast and brightness are not correctly adjusted.

12. Isolated bright or dark pixels, which do not influence on the functioning of the projector, can be available on the picture. According to international criteria, up to 8 points is normal.

13. The projector functions without any problem at room temperature. If the room temperature is very high a black spot will appear, and will grow in size during playback.

In this situation, turn the machine off to avoid damaging the LCD chip.

14. Avoid placing the projector near heat-producing or hot objects. It may also not be placed in an airtight closet; place it in a spot with good ventilation.

15. Do not use the projector in surroundings with high moisture, temperature, vibration, dust or unlight.

When moving the machine, do so very carefully.

16. The projector is an optical precision device; do not touch the lens with your hands or other objects. If the machine is not used for a certain time, set the dust protection cap on the lens.

17. To avoid abrasion on the machine, use the remote control to operate the machine.

18. Turn the machine off when there is a storm and pull out the power plug 10 minutes later to avoid damages from lighting strikes or electrical sparks.
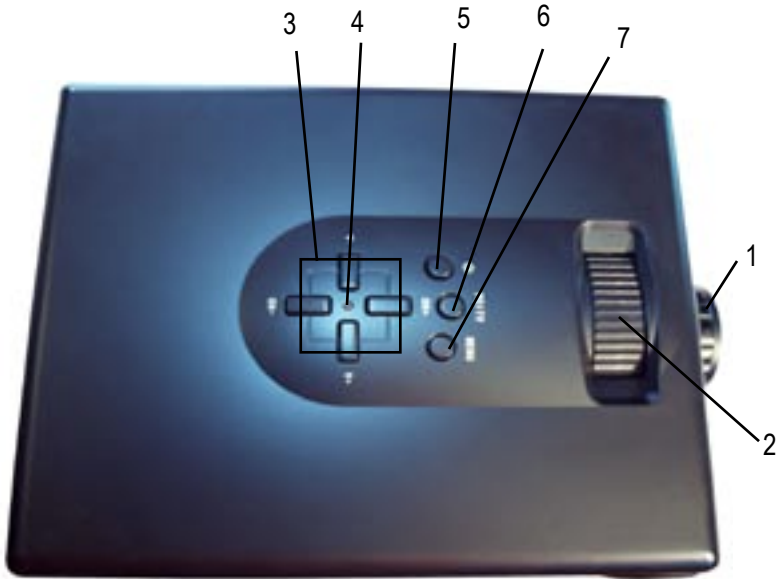
19. If the projector has been used for several years, it can happen that the lamp still burns when the projector has been turned off. In this situation, turn off the electrical power and get the machine repaired, because a relay must be replaced in the machine. Do not turn the machine on again before it is fixed.

20. When operating, pay attention to all warnings and instructions on the projector.

21. The projector is made of many electrical and optical precision parts. There are no parts on the machine, which can be maintained or replaced by the user. Dissembling the machine will damage it. In the case that an unusual problem occurs, contact the retailer.

3. ILLUSTRATIONS-OPERATION PANELS

3.1 TOP SIDE

1. Lens
2. Zoom Control Knob
3. Keys: CH+ Channel+ , CH- Channel-, V+ Volume+, V- Volume-
SOURCE: Switch the input AV/TV/ VGA/ (Card Reader/USB for PTV01C)

4. Power indicator display
5. Power On/Off
6. PC/TV: Switch the input from AV/TV/VGA (Card reader/USB for PTV01C)
7. Menu: Main menu

Attention: 1.The air that comes out from the air ventilation net (2) is very hot. When using the projector, do not put anything flammable near this net.
2. Make sure the air ventilation net is at least 1 meter from other objects especially from the ones which generate heat.
3. Do not touch the air ventilation net. When the projector is in use, this net is very hot.
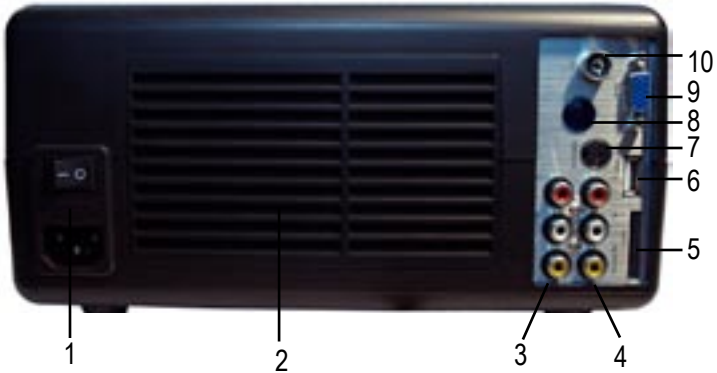
3.2 FRONT SIDE

1. Remote control sensor
2. Screws to adjust the height

3.3 BACK SIDE
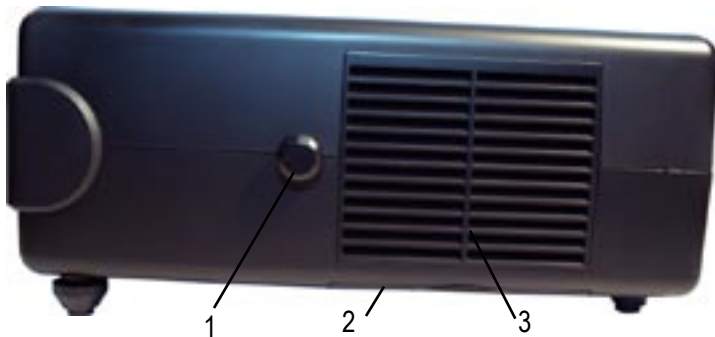

1. Main Power Input
2. Air Ventilation Net
3. AV Out
4. AV In
5. Card Reader (only for PTV01C)

6. USB Input (only for PTV01C)
7. S-Video Input
8. Remote Control Sensor
9. VGA input
10. TV Input

3. ILLUSTRATIONS-OPERATION PANELS

LCD PROJECTOR PTV-01C SERIES

HOME CINEMA

3.4 BOTTOM SIDE

1-2-3-5 The position for fastening on the ceiling with the ceiling mount, etc.
4. Lamp Cover

3.5 LEFT SIDE

1. Keystone Correction Knob
2. Dust Filter
3. Air Inlet Window

4. OPERATION INTRODUCTION

4.1 REMOTE CONTROL

Power:
Press the Power Key to turn on the projector/ Press the Power Key twice to turn off

Menu:
Changing OSD menus

CH+/- :
Browsing the channels

0—9:
Selecting channel from 0-9 or selecting functions in OSD

-/-- :
Channel number Setting

V+/- :
Setting the volume or changing the selected function in OSD

SOURCE:
Selecting TV, AV, VGA, For PTV01C: Card Reader, USB input. DPF is for selecting USB or Card Reader

MUTE
Volume ON/OFF

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Operation Key for USB or Card Reader (only for PTV01C):

⏮   Choose Previous Item

⏭   Choose Next Item

▶❚   Stop/Begin

↰   Return to previous menu

SET: Zoom in/Zoom out the picture

OK: Confirm

"-":   Lower the Volume

"+":   Increase the Volume

V-, V+:   Turn the picture left or right

CH-,CH+:   Turn the picture upside down or upright

Replacing Batteries: Open the batterycompartment and insert two type AAA/LR3/R3 batteries. Pay attention to thepolarities as indicated in the battery compartment.

Operation Distance: The maximum operation distance from the remote control to the projector is 5 meters, and 60 degrees from the remote sensor.

4.2 OPERATION

Turning on

- Place the projector in the desired position. Place the power cable connection jack, and the other end in the outlet.

- Turn on the main switch. The operation display will glow momentarily yellow and then green.

- Turn the machine on by pressing

the button ON/OFF on the machine or with the remote control.

Turning off

- Turn the machine off by pressing the button ON/OFF(twice) on the machine or with the remote control. When you press ON/OFF for the first time, the screen will display "power down", this is to indicate if you confirm to turn off the projector.

- Press ON/OFF again within 10 seconds (before "Power Down"

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disappears), then you can turn off the projector.

- Wait at least 10 minutes, so that the fan can cool the lamp down.

- Turn the machine off with the main switch.

Keystone Corrections

- After turning the projector on, the picture will slowly become brighter.

- After each assembly of the projector, the picture can be distorted. Turn the keystone correction key to correct the distortion (+- 15 degrees).

- Carefully turn the setting regulator

Zoom Function and focusing the picture.

- Turn the zoom control knob (No. 2 in the above picture) to zoom in

or zoom out the picture. The zoom ratio is 1:1.17. Carefully turn the lens (No.1 in the above picture) to focus the picture.

- The projector must be at least 1.13 meters away from the projection surface, so that a sharp picture can be produced. If the projector is 1.13 meters from the wall, the lens must be unscrewed as far as possible.

Connection

- Turn off the projector and the machine, you want to use with the projector.

- Connect the machine in the proper way to the projector; normally this means connect the computer with a VGA jack, a DVD player/recorder with a S-video jack (in case your machine has a corresponding outlet) or with a video input jack, and connect the TV antenna to the TV input in the projector.
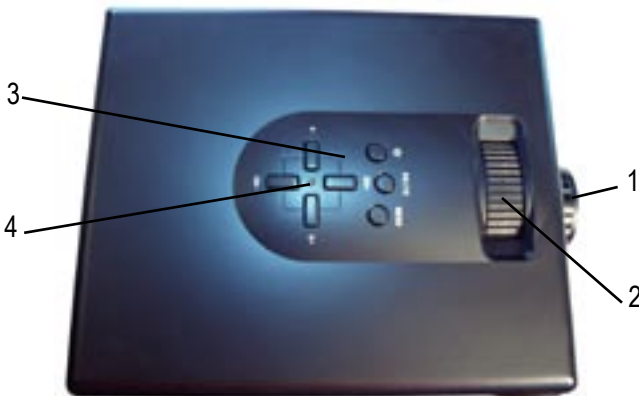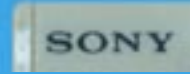
> **For PTV01C:**
> **Plug in the USB to the USB input**
> **Plug in the card (SD/XD/MS/SM/MMC card) to**
> **the reader input**
>
> If your card is not suitable to plug in the card reader input,
> use the card adapter (in the accessories) to plug in the card
>
> SONY

Input Selection

- Press the SOURCE button on the remote control. The OSD menu displays the actual selected input.

- Press the SOURCE button again if the OSD is still being displayed, to change the input.

TV	TV input
AV IN	Video input
S-Video	S-Video input
VGA	VGA input
DPF	USB input or Card input (Only for PTV01C)

DPF supports:
USB input, SD/XD/MS/SM/MMC card.

The formats that DPF supports are MP3, MP4, VCD, DVD, and JPEG etc.

Please refer to the appendix for all the formats supported to display the USB input and the Card Reader.

The default format in DPF is for displaying the picture. Press RETURN to return to the previous menu.

Menus
- Press the MENU button to display the OSD menu.

- You can move up and down in the menu with the CH+ or CH- buttons.

- You can access the menu points and change the setting with the Vand V+ buttons.

- You can access higher menu levels with the MENU button.
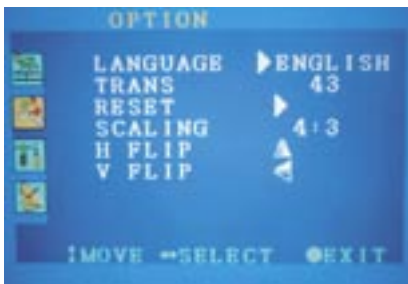
PICTURE MENU

In picture menu, there are four modes: User, Standard, Bright and Soft.

In User mode, users can adjust the brightness, contrast, etc.

Under the Standard, Bright and Soft mode, the value of brightness, contrast, etc. is set according to the system.

OPTION MENU

In the Option Menu users can select the language of the menu. (9 languages) Trans is to adjust the transparency of the picture.
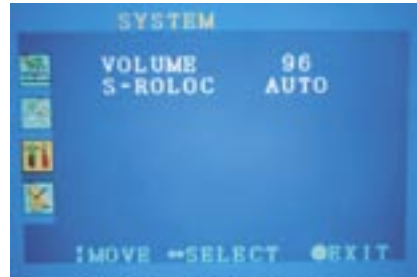
Reset is to adjust the setting according to initial factory setting.

Choosing Scaling, the picture aspect ratio can be switched from 4:3 to 16:9.

H Flip is to reverse the picture horizontally (for rear projection).

V Flip is to reverse the picture vertically (projector mounted on the ceiling).

SYSTEM MENU

Users can adjust the volume in the system menu.
S-ROLOC is for the TV system from Pal, NTSC, SECAM and Auto.

Users can choose Auto Search to select and save the channels automatically.

Users can also press the Manual Search to search channels manually. If the image search is not clear enough, Fine Adjustment can be selected to have a fine adjustment.

Press volume + in order to tune upwards, and volume- to tune downwards.

Because of the difference of the area, the systems of TV image and the audio will be different. You should choose the corresponding images and audio system in the channel menu (Please adjust the system as the local TV system first before searching automatically).
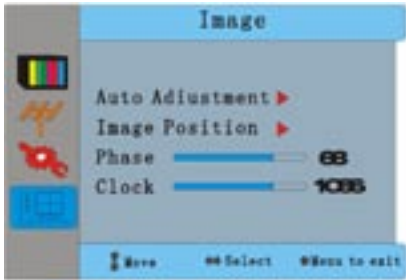
IMAGE MENU

Image position menu appears only under inserting the VGA signal, which is mainly used for adjusting the image position, and correct the distorted images.

Attention: When the computer resolution is higher than 1024*768, the projector cannot display normally.

Please reset the resolution to lower or equal to 1024*768.

Following menus regarding USB and Card reader are only for PTV01C.

USB/CARD READER MENU

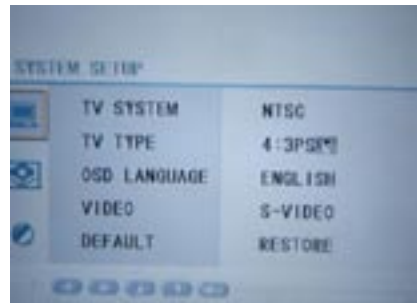Insert the card (SD/XD/SM/MS/MMC) Or the USB; press the "Source" key in the remote control to choose "DPF" , and then you can enter the USB and the Card Reader menu.

Choose the CARD or the USB to enter its sub menu.

Choose the SET UP menu, you can change the OSD language, etc

The OSD languages are English, German, Spanish, French and Portuguese.

Choose the CLOCK menu to set the date and time.

Choose Card, and you will see the following menu.
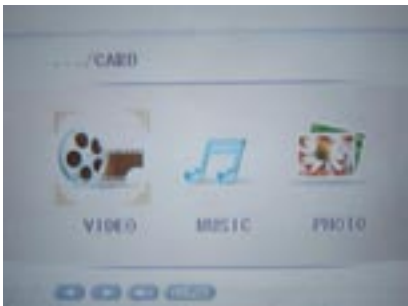
Choose VIDEO, MUSIC or PHOTO in USB.

Please refer to the appendix for all the formats supported to display the USB and the Card Reader.

For JPEG image, press the Set key to Zoom in or Zoom out.

Press V- or V+ to turn the picture from left or right and press CH- or CH+ to turn the picture upside down or left and right.

Choose MUSIC and the audio in the card will play. If you would like to listen to music and have a photo at the same time, you can press "exit" and then choose "PHOTO".

Press "-" and "+" to increase or lower the volume.

The operation for the USB is the same as the Card Reader.

5. USER MAINTENANCE

5.1 CLEANING AND CARE

• Turn the machine off as describe.

• Clean the machine with a dry or slightly moist cloth. Do not use any fluid detergents or spray cleaners.

• Clean the lens carefully with a dry cotton cloth.

• Pull out the dust filter and clean the dust in the filter.

Attention: Do not use the projector in an environment full of dust, or else, it will influence the quality of the picture and will cause failure.

5.2 SIMPLE FAILURE AND SOLUTION

The projector is a high-tech product with integrating optical, mechanical, and electronic components, with CPU and several protection circuits installed.

In case of violating the operation procedure or improper setting, the protection circuit of the projector will stop to work. Then some abnormal symptoms will occur to the projector. However, as long as you make the correct setting or follow the operation procedure, the failure may be resolved.

Temperature Warning Sound

When the inner temperature of the projector exceeds the normal temperature, the temperature warning sound will come out and the projector will shut down automatically.

When the warning sound comes out, please check the following:

1. The air inlet might be jammed, in this case, please place the projector in a spot with good ventilation.

2. The dust filter might be jammed with dust. Clean the dust in the dust filter.

3. If the above has been checked and there is still a warning sound, the cooling fan or the inner circuit might be failed. Please consult the distributor for help.

If the lamp does not light up when turning on the power

1. Check if the power cord is properly connected.

2. Check if the main switch is turned on and if the plug is plugged in.

3. Check if the power is turned on and off frequently. If so, reset it after 15 minutes.

4. Check how long the lamp is used.

If there is no picture

1. Check if you have opened the cover of the lens.

2. Check if the connecting is correct. Make sure all the signal cables are correctly connected.

3. Check if the contrast and brightness are set to minimum.

4. Check if the brightness is set to maximum.

5. The computer could not detect that the projector can be used directly as a monitor.

If the picture is blurred

1. Turn the lens gently and adjust focus to the right place.

2. Adjust the brightness, contrast, and color in the picture menu.

3. Check if the lens is clean.

Attention: If there is a bright or dark spot in the screen, this is normal because of the property of the LCD panel.

Picture is dark

1. Check if the brightness is set to be too low.

2. Check if the lamp is used up. Replace the lamp in this case.

An unusual sound

1. Check if the audio signal is connected correctly.

2. Check if the volume is turned off or set to minimum.

3. Check if the sound mode is corresponding to what you use in your country.

If the remote control does not work

1. Check if the batteries in the remote are used up or if the batteries are installed.

2. Check if there is an obstacle between the remote control receiving part of the PTV, and the remote control.

3. Check if the remote control is out of operating distance. (Max distance: 5M)

If there is no power

1. Check if the fuse is burnt.

2. Contact the distributor to check if the power PCB board is damaged.

3. Check if the power switch is on.

4. The lamp or the lamp cover is not installed correctly. In this case, shut up the projector, cool it down for at least 45 minutes. Turn on the projector after confirming if the lamp cover is installed correctly.

5.3 REPLACING THE LAMP

- Loosen the screws on the covering of the lampshade and remove the lampshade.

- Loosen both screws.

- Remove the lampshade by pulling it up.

- Press the lamp and then wiggle it in and out.

- Insert a new lamp of the same type, and assemble the lamp cover and the lampshade again.

Attention: IIf there is smoke, peculiar smell, too much noise coming out from the projector, or the case, the parts or cables are damaged, or there is liquid or other substances going into the projector, please turn off the main power supply, pull out the main supply cable, and stop using the projector.
Contact the distributor for help.

If all the above methods cannot solve the problem, please contact the distributor or us immediately.

Do not open the machine by yourself.

6. PARAMETER AND FUNCTIONS

6.1 Technical specifications

Model	PTV-01C
Brightness	1200 Ansi Lumen
Resolution	640*RGB*480 compatible 1280*768
Contrast	600:1
Zoom	1:1.17
Light source	150W
Lamp life	6000 –8000 hours
Work power	90V-240V AC 50/60 HZ
Projection distance	1.13-4M
Projection dimension	30"-120"
Net Weight	3.8 KG
Body size	320mm(L) X 260mm(W) X 120mm(H)
Input	TV, VIDEO, S-VIDEO, VGA, For PTV01C:USB, Memory Card(SD/XD/SM/MS/MMC)

Projection Distance and Aspect Ratio for Reference:

Projection Distance	1.13m		1.96m		2.37m		2.62m		3.3m	
Aspect ratio	4:3	16:9	4:3	16:9	4:3	16:9	4:3	16:9	4:3	16:9
Image size	30"-35"	27"-32"	50"-61"	47"-55"	60"-70"	57"-67"	70"-82"	66"-77"	80"-94"	77"-90"

6.2 MAIN FUNCTION

1 Signal compatibility: TV (75Ω), S-Video, VGA (PC), Video, Audio, For PTV01C: USB, Memory Card

2 Keystone correction and picture rotation, the picture aspect ratio can be switched from 16:9 to 4:3.

3 OSD screen display function

4 The fan continues to work after the projector is turned off (lasting for 10 minutes so as to prolong the life of the lamp)

5 Zoom Function

6 Alarm protection function in case of excessive hot

7 Alarm function when heat elimination fan does not work

8 Entire remote operation

9 Manual focus adjustment

Appendix
Supports Formats for USB and card reader:

Supports Video format:

File Type	File name extension	Support Edition	Detailed spec	Transfers speed	Subtitle
MPEG1 (VCD)	.DAT	VCD1.0 VCD1.1 VCD2.0 SVCD			
MPEG2 (DVD)	.DAT .VOB	Without CSS			
MPEG2 (DVD_Audio)			PCM/ MLP	<9.6MB/s	
MPEG4	.AVI .MP4 .DIV .DIVX	Divx3.11 Divx4.12 Divx5.0, 5.02 5.03 , 5.04 5.05, 5.1, 5.11 5.2, 5.21 Divx PRO Xvid1.00, 1.01 1.02 , 1.03 1.10-beta1 1.10-beta2	<720*480		.srt .sri .smi .txt .ssa .ass .sub .psb

Support Audio format

File Type	File name extension	Support Edition	Detailed spec	Transfers speed
Mp3	.MP3		Sampling Rate: 8K ~ 48K	Bit Rate: 8K ~320K
WMA	.WMA	WMA8 WMA9	Sampling Rate: 8K ~ 48K	Bit Rate: 5K ~320K
CDDA				
WAV	.WAV		44.1k	
ASF				
QuickTime				
AAC				

Support Audio format

| File Type	File name extension	Detailed spec
JPEG	.JPG .BMP .GIF	x*y < 5200000 (About 2600*2000)

7. SUPPLIED ACCESSORIES

Remote control (with two batteries), power cable, user manual, guarantee card, AV signal cable, VGA signal cable, S-Video signal cable, card adapter

Thank you for reading this User Manual. If you have any questions please feel free to contact us, and we will be happy to assist you in any way you may need.

We sincerely hope you will enjoy this product.

8. FIXED FRAME CRYSTAL SCREEN

80"
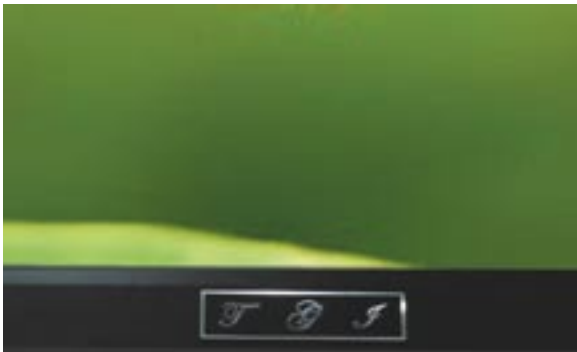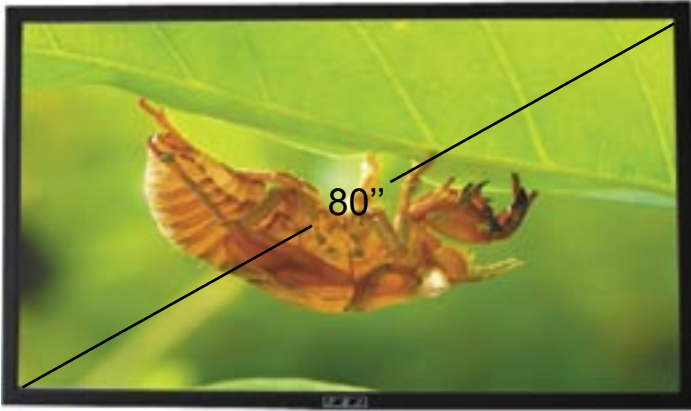
Size

80 inches

Width

2.50 inches

Weight

20 Kg

9. PROJECTOR CEILING MOUNT PM4365

Product Name: Universal Ceiling Mount Kit
Model Number: PM4365, PM63100, PM100180, BB12
Place of Origin: China
Extension height:
1) PM4365: 430 ~ 650mm
2) PM63100: 630 ~ 1000mm
3) PM100180: 1000 ~ 18000mm
4) BB12: 500 ~ 1000mm
PM series ceiling mount kit:
1) Made of refined quality aluminum alloy materials 2) Auxiliary auto dismantling wrench 3) Easy to assemble, upright or opposite installation of long or short clutches 4) Suitable for above 90% of projectors on the market 5) With concealed buckle, artistic and beautiful frame 6) Convenient and safe in wiring
BB12 series ceiling mount kit: 1) Made of A3 hot-rolling steel plate

Inner packing: PM4365: 1 set/paper box
Dimensions: 32 x 11 x 6cm
N.W.: 1.3kg
PM63100: 1 set/paper box
Dimensions: 52 x 11.5 x 6cm
N.W.: 1.6kg
PM100180: Separate package of long drop pole and auxiliary adjustment head and top plate
N.W.: 2.2kg BB12: 1 set/paper box
Dimensions: 66 x 20 x 11cm
N.W.: 3.4kg
Outer packing:
PM4365: 20 sets /carton
Carton dimensions: 47 x 33 x 31cm
G.W.: 32kg
PM63100: 15 sets/carton
Carton dimensions: 54 x 33 x 37cm
G.W.: 30kg PM100180: 10pcs /carton
Carton dimensions: 12 x 12.6 x 105cm
G.W.: 23.5kg
BB12: 10 sets/carton
Carton dimensions: 60 x 44 x 68cm
G.W.: 35kg

9.1 How to Install the Ceiling Mount to the Projector

1

Take out this part from the ceiling mount package.

3

Loose the screws and take out the these two small parts.

5

Use the screws in the small polybag and install as shown.

7

Screw out these parts, which are to adjust the height of the ceiling mount

2

Use this spanner to unscrew or screw in

4

Use these parts in the small polybag

6

Install this part to the bottom part which has been installed.

9. PROJECTOR CEILING MOUNT

8

Install the parts in last step to the bottom part.

Use the screws in the small polybag to fix the 4 holes.

The mounting angle to the ceiling can be adjusted here.

Adjust the height of the ceiling mount and fixed the screw to fasten this part.

9

10

Install the top part to the previous part and use the screws in the small polybag.

11

The whole ceiling mount is finished.

Unscrew the two front legs of the projector and take out the two back legs.

Take out the four screws from the polybag, which packs the User Manual.
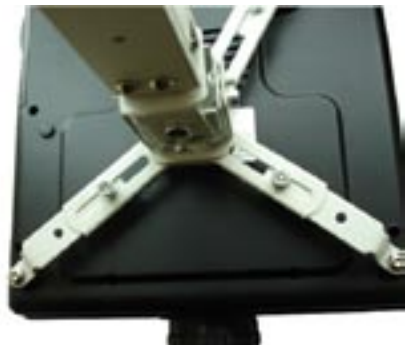

Screw in the four screws to into the four holes.

It is ready to install the ceiling mount.

Install the ceiling mount to the four holes of the screws and use the screws in the small polybag to fasten them.

Pictures are as follows:

Triangle Global Industries

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website: www.tgius.com   E-mail: info@tgius.com