**Product Brief**

The new function projector of D8H/D8HD has the unique function of direct TV signal input. It is combined with TV playing, AV playing and VGA signal input, even with Scart/YPhPCard reader, USB,HDMI, DVB-T signal input, with fine and novel appearance and shape. It is convenient and handy. With the function of image keystone correction, it is suitable for multi-angle playing. With the screen rotation function, it can place on the table or hang on the ceiling. The aspect ratio of 16:9 super wide screen makes you feel watching films at home, so you can enjoy the real home theater. D8H/D8HD is the best AV product designed for commercial, teaching, entertainment and household using.

For your own safety, and in order to use the projector more conveniently and in a correct way, please read the user’s manual carefully before you use the D8 series(D8/D8H/D8HD), and keep them handy for future reference.

**Safeguards**

![Important safeguard](image)

**Warning**

Intense light source. Do not look into the lens or view it directly. Be especially careful that children do not look directly into the lens.

**Warning**

To reduce the risk of fire or electric shock, do not expose the appliance to liquids.

**Warning**

Forbid to touch high temperature area on the bulb box. Ask the specialist to replace the lamp when you need. Consult the “bulb replacement” in the user manual if you replace it yourself. If you have any problem, please contact us or the dealer when needed.

1. The D8 series(D8/D8H/D8HD) uses special light source of discharging gas. Please do not turn on or off D8 series frequently. Every turn on/off interval should be more than 30 minutes. Otherwise, it may damage the bulb easily and make it unworkable. When the bulb automatically turns on and off or its brightness is obviously weak, please replace the bulb.

2. Wait for more than 7 minutes after you shut down D8 series with the remote control. Then disconnect the D8 series from the main power supply after the fan stops. Please wait for more than 3 minutes to turn on the D8 series after it is turned off by pressing “power” or shut down abnormally. Otherwise it would directly shorten the life of the bulb or even damage the bulb.

3. In order to cool the D8 series adequately, please stop using the remote control for 2 minutes after D8 series is shut down. The remote control will not function within 2 minutes. 2 minutes later, the remote control function will resume automatically.

4. Because the temperature is high inside the D8 series bulb box, exhaust vents are distributed in the side and bottom of the D8 series. Make sure not block up, cover or fill in things into the vents, and also avoid touching high voltage electricity or circuit in order not to damage D8 series or cause an accident.

5. There are protective circuits and alarming device inside the D8 series. When the internal temperature rises caused by improper environment or blocked vents, the projector will alarm automatically. At this time, the projector should be shut down.

6. As the LCD has a particular characteristic of sequence reversal, when the contrast is not in consistency with the brightness, there will appear a few bright frames in the screen, which is normal.

7. When there is some light spots or black dots in the image, please enjoy the D8 series at ease as it will not affect the D8 series’s function at all. According to international inspection standard(less than 8 dots), it is normal.

8. The D8 series will work normally under normal surrounding temperature. When the surrounding temperature is too high, round black spot will appear and become bigger and bigger in the image during playing, please turn off the D8 series so as to avoid damaging the LCD chip.

9. Please don’t put the D8 series onto or near calorific and hot objects, or put it into airtight cabinet. Do put it in the ventilated place.

10. Avoid using D8 series in condition of moisture, high-temperature, vibrancy, dust and radiation. When it needs to be moved, please take or put it gently!

11. When the D8 series is installed hanging on the ceiling, it is advised to use outlet with a switch, which can be used to turn off the main power supply after the D8 series is turned off.

12. When the D8 series needs to be installed hanging, please refer to picture(2).

13. The lens of D8 series is high precision optical apparatus, please do not touch with a hand and avoid other things touching it. When the D8 series leaves unused for a long time, please cover the lens with its lid, so as to avoid hurting the lens(lens lid is equipped with the D8 series)

14. In order to minimize the unnecessary abrasion of the crystal of the D8 SERIES, using remote control to operate each function is advised.

15. In order to avoid damages of internal machine, when lighting storm occurs or voltage waves, please turn off the D8 SERIES, and pull out the plug from the outlet 7 minutes later.

16. If the D8 SERIES has been used for years, after the D8 SERIES is turned off, the bulb is on, the screen still appears light. This situation might happen. Then please turns off the main power supply and send the D8 SERIES to our authorized repair station to change a new relay. (Then please do not turn on the D8 SERIES again, so as to avoid any accident.)

17. Please use the D8 SERIES according to all warnings and instructions marked on the D8 SERIES.

18. D8 SERIES is composed of many precise electronic and optical components. There are no parts of an apparatus that can be maintained or adjusted by yourself. Disassembling will damage it and please do not open it. If abnormal problem occurs, please contact us or dealers immediately! If disassembling it by yourself, free guarantee and repair service will be invalid.
Appearance introduction

Top view

1. Channel +
2. Volume —
3. Volume +
4. Channel —
5. System function menu

Input signal switch (AV/TV/VGA etc. input signal switch)
ON/OFF button
Lamp indicator
Power indicator

Bottom view

Hoisting Screw rod (Tell you how to hang the projector to ceiling: fix the 4 feet of mount to the projector 4 feet (A,B,C,D) hole)

Note: When hoisting the machine, the length of the screw rod in position A B C D used for hoisting hole should not exceed 10mm, to avoid an electric shock when the plastic enclosure is broken and the rod touched the high-tension electricity inside the machine.

Front View

1. Keystone correction knob
2. Lens
3. Remote sensor
4. Tilt adjuster

(Picture 3)

Back View

1. Speaker vent
2. Power socket
3. Power switch

(Picture 4)

Left Side View

1. Exhaust vent
2. Right audio input (Red)
3. Left audio input (White)
4. Video input (Yellow)
5. Ph (Blue)
6. Y (Green)
7. Pr (Red)
8. TV/DVB-T
9. Right audio output (Red)
10. S-Video input
11. Left audio output (White)
12. Scart input
13. VGA input
14. SD card input
15. HDMI input
16. USB input

Note: AV output (only on TV) (Picture 5)
Operation Introduction

Operation procedure

(1) Power on & off
Place the D8 SERIES in a proper position, plug in the power cord, and turn on the mains switch. Now the power indicator should be red; you can just press the POWER button. When the power is on, the power indicator turns to green. (Note: When the power cord is plugged in, the mains switch should be in the position of OFF, in order to avoid a direct shock to the internal circuit of the D8 SERIES by the electric current.) When turning it off, use the remote control first. Now, the power indicator should turn to red, and the radiator fan will still work for 7 minutes for elimination of heat. (Note: the mains switch can be turned off only when the fan stops working, otherwise the internal components of the machine is liable to damage, and consequently the service life of the machine will be shortened.)

(2) Keystone correction
When the D8 SERIES is turned on, the projected images become brighter gradually. Owing to the different angle of the positions of the D8 SERIES, image keystone distortion may occur. In case of keystone distortion, the image can be projected regularly by adjusting the keystone correction knob. (±15 degree adjusting angle) (Note: When turning the keystone correction knob, please turn it gently, and never use too much effort, or else unwanted damage should occur.)

(3) Focusing
The focus length will change with the change of the distance between D8 SERIES and the screen, so that the image will blur. Now you can turn the lens gently with your hand, to correct the focal length so as to obtain distinct images.

Button operation
Illustration of remote control

Warning
Do not expose the remote control to shocks, liquid or high humidity. Do not expose it to direct sunlight or other intense light source when you operate.

ON/OF
Volume ON/OFF
Sleep: Sleep
Smode: Sound Mode
MIX: Picture and text mix mode
HOLD: Pause
0-9: Channel selection from 0-9
Channel selection button
Press this button to return to the previously Viewed program.

SYSTEM/DTV MENU: System switch/ DVB-T menu
Display: Display mode
CH+-: Channel browse key; select functions in OSD
UP / DOWN / LEFT / RIGHT: direction key & selection
FAV: Favourite channel
AV/TV: TV signal and AV signal switching button
H.Flip: Horizontal rotation
V.Flip: Vertical rotation
SUBT: Subtitles language selection
P.Hold: Picture freeze
PICTURE: From text to picture mode
Return: (1).return to previously menu
(2). programs replaying under mode of full screen

16/9/4:3: 16:9 or 4:3 aspect ratio switch

AUDIO: Sound (mono and NICAM) selection, DTV audio language mode
TEXT: From picture to Text mode
EPG: DTV navigation bar

Fast backward (for USB/card reader)
Fast forward (for USB/card reader)
Previous
Next
Pause (for USB/card reader)
REVEAL and Pause (for USB/card reader)
How to enter DTV/TV/Scart/pc/RGB/HDMI/AV/VIDEO/USB and CardReader by pressing A/V key.

Steps:
1. Press Power button on the remote or remote.
2. Press 'Input' key on the remote.
3. Press MENU key on the remote or remote.
4. Enter the input source by pressing A/V key.

Input menu

Menu and Operations

After the correct connection as above picture shows, enter OSD to make the setting. Press 'menu' button on projector or 'System DTV menu' key on remote to enter OSD menu. The OSD menu has 8 sub-menus, picture as follow will show. Use A/V, < > to select the sub-menu and use < > to adjust.

1. Input (select input source)
2. Picture
3. Sound
4. Time
5. Setup
6. Channel(TV)
7. USB/ Card reader

The DTV OSD and AV OSD menu are the same.

Re: On the remote control, you can enter the input source menu by pressing A/V key or 'Input' key and enter the menu by pressing the < > key. The selected item will change to highlight color.
Main Menu

Picture Menu

There are 6 sub-menu:

1. Picture Mode: There are 4 picture modes: STANDARD/DYNAMIC/SOFT/PERSONAL.
   STANDARD: middle brightness and contrast;
   DYNAMIC: high brightness and contrast;
   SOFT: low brightness and contrast;
   PERSONAL: user define the brightness and contrast.
   Tips: when user adjust brightness/contrast/blue/saturation/sharpness value, the picture mode will auto change to PERSONAL mode.
2. Contrast:
   As below:

   CONTRAST

   Press "<" to decrease value, Press ">", to increase value. Press "MENU" on projector or "SYSTEM/DTV" on remote to return or exit menu.
3. Brightness;
4. Color;
5. Sharpness;
6. Tint (only in NTSC SYSTEM):
   Enter Picture menu, you can select Picture Mode, Contrast, Brightness, Color, Sharpness, and Tint Setting item by pressing by pressing "\(\uparrow\)/\(\downarrow\)/\("key, You can adjust the item selected by pressing "\(<\)/\(>\)" key.

Picture menu

Subpage:

1. Colour Temp: included normal/warm/cool/personal;
   NORMAL: middle color tone;
   WARM: high color tone, image show red;
   COOL: low color tone, image show blue;
2. Red setting;
3. Green setting;
4. Blue setting;
5. Aspect ratio: 4:3 display mode, 16:9 display mode;

Sound menu

Enter the sound menu you can just Sound Mode, Treble, Bass, Balance, Auto Volume, Surround Sound item by pressing "\(\uparrow\)/\(\downarrow\)/\("key.

Sound Menu

1. Sound mode: Standard, music, movie, personal, sports;
2. Treble;
3. Bass;
by pressing "▲"/"▼" key, In Language item, you can select different OSD language by pressing "▲"/"▼" key, select by pressing "◄"/"►" key.

System Setup
1. System language setting;
2. Audio Language;
3. Subtitle Language;
4. Hearting impaired;
5. Flip function;
6. Country selectiong; (only change when auto TV channel searching)

Lock menu

Enter this menu, You need to enter a password and then enter the Sub-menu. Here the default password for the general:"0000".
For example:
1. Lock System
   You can set ON or OFF;
2. Change Password

(Picture 16)

3. Block programme

(Picture 17)

4. Parental Guidance
5. Restore Setting

(Picture 18)

(Picture 19)

1. Auto Turning
   Press menu button to start search DTV or ATV program automatically from V-L to UFH, the searched program will be stored orderly.
2. DTV Manual turning
   Press < / > to start searching. The VOL- button decreases the frequency, the VOL+ button increase the frequency, in DTV mode
3. ATV Manual Tuning!
   Press < / > buttons to start searching. The VOL- button decreases the frequency, the VOL+ button increase the frequency, in ATV mode
4. Programmer Edit
   Enter the Channel Edit menu in TV normal mode; you can exchange the two program numbers that you select by pressing < / > buttons.

Note:
1. If the set is cold, there may be a small "ticker" when the set is switched on. It is normal. There is nothing wrong with the set.
2. Some dot defects may appear on the screen, like red, green or blue. Spots, however, this will have no impact or effect on the monitor performance.

USB/ Card reader MENU

1. USB MENU
User’s maintenance

Cleaning Notice

1. Please turn off the D8 SERIES and pull out the plug from the outlet before cleaning.
2. Do not use liquid cleanser or aerosol cleaner, please use a damp cloth or dry cloth for cleaning.
3. Clean the dust and spot on the external lens gently with dry cotton cloth.

Conventional diagram for cleaning screen filter

1. Turn off the general power supply
   Then pull out the power cord

2. Press the tab on the air filtration loopholes and pull straight out

3. Remove all the filtration net

4. Clear the air filtration net
   The above picture use the vacuum cleaner, if the filter very dirty, wash with pure water directly, leave the filter to dry in the sun

5. Replace the air filtration net

6. The appearance after replace the air filtration net

(Picture 22)
Illustration of light bulb replacement

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>Make sure the power off, then pull out the power cord and cool for one hour.</td>
</tr>
<tr>
<td>(2)</td>
<td>Open the bulb cover. Screw down in position 1 with the screw driver and put a coin in position 2, the piece.</td>
</tr>
<tr>
<td>(3)</td>
<td>Illustration after opening the bulb cover.</td>
</tr>
<tr>
<td>(4)</td>
<td>Dismantle the reflecting concave. Screw down position operator, with the screw driver, then straight it out in the arrow direction.</td>
</tr>
<tr>
<td>(5)</td>
<td>Dismantle the bulb. Read the two ends of the lamp as necessary.</td>
</tr>
<tr>
<td>(6)</td>
<td>Illustration after opening the bulb cover. Note: When installing the light bulb, please leave closing glass nozzle downward, and direct at the fixed position slot in case of accident.</td>
</tr>
</tbody>
</table>

Simple repair and solution

The D8 SERIES is a high-tech product 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 D8 SERIES will start to work. Then some abnormal symptoms will occur to the D8 SERIES. However, as long as you make the correct setting or follow the operation procedure, the failures may be resolved.

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The lamp does not light up when turning on the power</td>
<td>1. Is the power cord properly connected? Does the mains switch turn on? Is the plug plugged in? 2. Is the power turned on and off frequently? Reset it for 15 minutes. 3. Check how long the lamp has been used. Should the light bulb be replaced?</td>
</tr>
<tr>
<td>No picture</td>
<td>1. Have you opened the cover of the lens? 2. Is the connecting correct? Make sure all the signal cords are correctly connected. 3. Are the contrast and brightness set to minimum?</td>
</tr>
<tr>
<td>Remote control does not work</td>
<td>1. Are the batteries in the remote control used up? Are the battery installed correctly? 2. Is there an obstacle between the remote control receiving part of the D8 SERIES and the remote control? 3. Is the remote control out of operating distance? (max distance: 7M)</td>
</tr>
<tr>
<td>Picture is blurred</td>
<td>1. Turn the lens gently and adjust focus to the right place. 2. Adjust the simulated analog variables of brightness, contrast, and color. 3. Is the lens clean?</td>
</tr>
<tr>
<td>Unusual sound</td>
<td>1. Is the audio signal connected correctly? 2. Is the audio input mode of the TV signal right? 4. Is the volume turned off or set to minimum?</td>
</tr>
</tbody>
</table>

If all above method cannot solve the problem, please contact us or the dealers immediately. Do not open the machine by yourself.
### Parameter and Function

<table>
<thead>
<tr>
<th>Technical specifications</th>
<th>D8HD-A</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV System</td>
<td>5&quot; LCD</td>
</tr>
<tr>
<td>Display Technology</td>
<td>5 inch LCD</td>
</tr>
<tr>
<td>Brightness</td>
<td>2200 ANSI Lumen (MAX)</td>
</tr>
<tr>
<td>Contrast ratio</td>
<td>600:1</td>
</tr>
<tr>
<td>Lamp power</td>
<td>150W</td>
</tr>
<tr>
<td>Focus adjustments</td>
<td>Manual/Focusing, Support Vertical Zoom/Horizontal rotation</td>
</tr>
<tr>
<td>Compatibility</td>
<td>HDTV: Support 1080P/720P/576P/480P/480i</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>4:3/16:9 (support All input: 16:9 except USB/card reader, and support HDMI/YPbPr 1080p 16:9)</td>
</tr>
<tr>
<td>Speaker</td>
<td>2W×2 Audio output (8 Ω)</td>
</tr>
<tr>
<td>OSD Languages</td>
<td>Polish/Portuguese, Russian, German, English, Spanish, French, Italian, Dutch</td>
</tr>
<tr>
<td>Input Socket</td>
<td>AV, TV, S-video, Audio-out, VGA, Scart,YPbPr,HDMI, DVB-T, USB, card reader</td>
</tr>
<tr>
<td>Advanced feature</td>
<td>3D, Teletext, NICAM, ZOOM</td>
</tr>
<tr>
<td>Lamp life</td>
<td>6000 hours around</td>
</tr>
<tr>
<td>Dimensions (LxWxH)</td>
<td>258x323x120 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>NW: 4.8 kg</td>
</tr>
<tr>
<td>Voltage</td>
<td>220V version: AC210-240V, 50/60Hz; 110V version: AC100v-240V, 50/60Hz</td>
</tr>
<tr>
<td>Noise</td>
<td>&lt; 35dB</td>
</tr>
<tr>
<td>Projection distance</td>
<td>1.09m-5.5m</td>
</tr>
<tr>
<td>Projection size</td>
<td>30-180 inch</td>
</tr>
</tbody>
</table>

#### 5" LCD D8 projector SERIES

<table>
<thead>
<tr>
<th>Projection distance</th>
<th>1.09m</th>
<th>1.2m</th>
<th>1.5m</th>
<th>2m</th>
<th>2.5m</th>
<th>3m</th>
<th>3.5m</th>
<th>4m</th>
<th>5m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspect ratio</td>
<td>4:3</td>
<td>16:9</td>
<td>4:3</td>
<td>16:9</td>
<td>4:3</td>
<td>16:9</td>
<td>4:3</td>
<td>16:9</td>
<td>4:3</td>
</tr>
<tr>
<td>Image size (inch)</td>
<td>33&quot;</td>
<td>30.5&quot;</td>
<td>36.5&quot;</td>
<td>33&quot;</td>
<td>47.5&quot;</td>
<td>44&quot;</td>
<td>66.5&quot;</td>
<td>70&quot;</td>
<td>73&quot;</td>
</tr>
</tbody>
</table>

### Main function

1. **Signal compatibility:** TV (750) AV, S-video, Audio-out, VGA, Scart, YPbPr, HDMI, DVB-T, USB, card reader.
2. **Keystone correction and picture rotation:** The picture aspect ratio can switch from 16:9 to 4:3.

### Supplied Accessories

- Remote control, power cord, user manual, AV signal line, VGA signal line.

Thank you for reading the User Manual. If you have any question, please feel free to contact us or the dealers. We will provide excellent service to you. We sincerely hope that you will enjoy your life with our products.