

JOBO

FOR YOUR BEST IMAGE

User Manual

Photo Display
PDC012


Crystal 12

30,7 cm
12,1"



Auflösung
Resolution
Résolution **800x600**

Seitenverhältnis
Aspect Ratio
Rapport largeur/hauteur **4:3**

Fernbedienung
Remote Control
Télécommande 

Photo 

 Audio / Video 

Keep your memories alive

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1. Introduction

Congratulations on your purchase of the JOB0 Photo Display CRYSTAL 12! Before operating the unit, please read this manual thoroughly and retain it for future reference. Save the original box and all packing material for future shipping needs.

This Photo Display lets you view digital pictures directly from your camera's memory cards. You will be able to create a slideshow using multiple transition effects or display one picture at a time. No computer, digital camera or Internet connection is required.

1.1. Main Features

- Digital multimedia photo frame for photo, music and video playback*
- Slide show with multiple transition effects, thumbnail view and still image
- Combo mode for slideshow with background music
- Easy operation with included remote control or buttons
- Image Zoom and rotate function
- Copy and delete function for all file formats
- Clock and calendar
- Auto power ON/OFF and Auto start selection (images, videos or music)

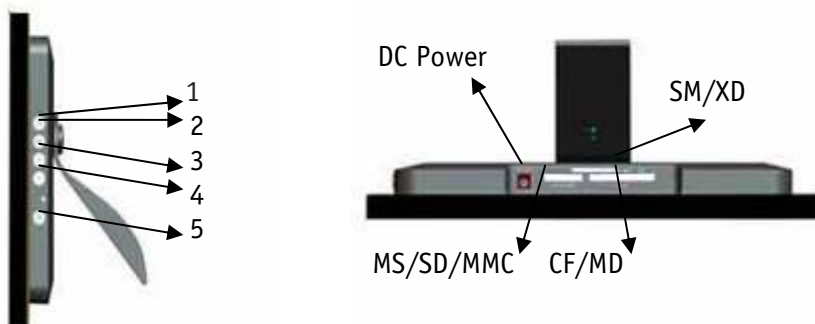
1.2. Specifications

- Display: 12 inch (30.4 cm) colour TFT LCD
- Resolution: 800 x 600 pixels
- Contrast ratio: 250:1
- Brightness: 250 cd/m²
- Aspect ratio: 4:3
- Card slots for SD, MMC, MS, USB
- Supported photo formats: JPEG
- Supported audio format: MP3
- Supported video formats: MPEG1, MPEG2, MPEG4
- Power supply: DC In 12 V, 3A
- Working temperature: -20 to +65 degrees
- Dimensions: 380 x 300 x 35 mm

1.3. Getting Started – Set up the unit

- Open the package and remove the protective foam.
- Remove the protective sleeve from the unit.
- Install the stand of the frame at the back of the unit.
- Plug in the AC adapter into the power outlet. Plug the other end into the unit.
- After having stored the files on the target flash media (memory card or USB flash drive), insert the media into the according slot.

1.4. Control buttons and Slots





1. AUTO/Exit
4. NEXT / DOWN

2. MENU/Play Pause
5. POWER

3. PREVIOUS / UP

1.5. Using your Remote Control

The following table briefly describes the functions of the remote control

Button	Description
On/Off	Switch on/off the frame
Card selection	choose a memory card
VOL -	Decrease volume
VOL +	Increase Volume
Music	go to and display music files
Photo	go to and display photo files
Rotate	Rotate the current picture
Slideshow	Start the slideshow
Mute	instantly mute volume
Zoom	Zoom the current picture
	Play/Pause and display OSD menu
Setup	open menu for changing settings
Arrows	Navigate on screen
	Stop



2. Operating the unit

2.1. Main menu

Turning on the Photo Display , you will enter the “MENU” screen. Use the left/right arrow to go to “Set up”. Press “Auto/PLAY” button to enter the options screen. Use the Up / down arrows to choose your auto start option. Press the “Card selection” button to open the following menu:



Note: In all menus, pressing the “Card selection” button will bring you back to the main menu.

Function	Description
Nand	Play files from internal memory
Calendar	Display calendar, clock, alarm
Setup	Set system menu
SD/MMC/MS	Play files from SD/MMC/MS memory card
USB	Play files from USB flash drive

NOTE: Icons of above mentioned functions shall appear automatically on the MENU screen when a memory card is inserted. Icons shall disappear when correspondent card is removed from the card slot.

2.2. Viewing Photos

Make sure you have at least one picture on your memory card or your USB flash drive. After that:

- Select the desired flash media from the main menu. (SD/MMC/MS/USB)
- Select the “PHOTO” option from the menu and press “AUTO/PLAY”
- A Photo thumbnail will appear. Using UP/DOWN/LEFT/RIGHT arrows you can move the highlight. If the highlighted item is a folder, press “AUTO/PLAY” to enter the folder.



- Press “AUTO/PLAY” to enter the slideshow mode.
- Once a slideshow is playing or a picture is being shown, press the “AUTO/PLAY” button. The following menu will appear:



- Previous Play previous picture in the picture list
- Play or Pause Play or pause the current slideshow
- Next Play next picture in the picture list
- Rotate Use the rotate function to change the picture
Orientation to either portrait or landscape format
- Stop Stop slideshow and return to photo thumbnail
- Zoom Increase the size of the picture by 2 /4 /8 or 16/1 times.

2.3. Watching video files

The Photo Display supports the following video formats:

- Motion JPEG (.AVI): video format used by most digital cameras MPEG-I
- MPEG-2
- MPEG 4

Make sure you have at least one video on your memory card or your USB flash drive. When this is done:

- Select the desired flash media from the main menu (SD/MS/USB/MMC)
- Select the "MOVIE" option from the menu and press "AUTO/PLAY"



Once a movie is playing, press the "AUTO/PLAY" button on the remote control. The following menu will appear:



Previous	Play previous movie in the play list
Fast Forward	Play forward the movie by 2 /3 /4 times speed
Play or Pause	Play or Pause the movie
Fast Backward	Play backward the movie by 2 /3 /4 times speed
Next	Play next movie in the play list
Stop	Stop the movie and return to the play list
Zoom	Increase the size of the picture by 2 /3 or 4/1 times.

2.4. Listening to Music

Make sure you have at least one MP3 file on your memory card or your USB flash drive. When this is done:

- Select the desired flash media from the main menu (SD/MS/USB/MMC)
- Select the "MUSIC" option from the menu and press "AUTO/PLAY"



- Press "VOL+" to increase the volume or "VOL-" to decrease the volume on the remote control
- Press "AUTO/PLAY " button on the remote control to play or pause the music file
- Press "STOP" button on the remote control to return to the card menu

2.5. Playing slideshows with background music

Ensure you have at least one picture on your memory card or your USB flash drive. Additionally, you must have one MP3 file saved on the selected memory card/USB/Internal Memory. When this is done:

- Select the desired flash media from the main menu (SD/MS/USB/MMC)
- Select the "FILE" option from the menu and press "Auto/PLAY"



- Press “Slideshow” button on the remote control, an audio slideshow will begin automatically. Once an audio slideshow is playing, press the “Auto/PLAY” button. The following menu will appear:



Previous	Play previous picture in the picture list
Play or Pause	Play or pause the current slideshow
Next	Play next picture in the picture list
Rotate	Use the rotate function to change the picture Orientation to either portrait or landscape format
Stop	Stop the slideshow and return to photo thumbnail
Zoom	Increase the size of the picture by 2 /4 /8 or 16/1 times
VOL	Press VOL+ or VOL- on remote control to increase or decrease the volume

2.6. Copying and Deleting Files

For copying and deleting files on your memory card, USB drive or internal memory (if applicable):

- Select the desired flash media from the main menu (SD /MS/USB/MMC)
- Select the “FILE” option from the menu and press “Auto/PLAY”



- Press the “right arrow” to highlight the desired file. Repeat for all files that you want to copy
- Press the “SETUP” button to display the Copy and Delete menu. Select Copy function and Press “PLAY” button to display the C:/ and D:/ menu .
- Use “Up/Down” arrows to select the file destination folder. Press “Right” button to confirm.

- Press “Auto/PLAY” to start copying the file.
- Pressing “STOP” button will bring you back to the Copy and Delete menu.

Delete

- Press the “right arrow” to highlight the desired file. Repeat for all files that you want to copy
- Press the “SETUP” button to display the Copy and Delete menu. Select Delete function and press “PLAY”. File will be deleted.
- Press “STOP” button will bring you back to the Copy and Delete menu.

3. Connecting to a PC

The Photo Display has a USB port for connection to a PC (USB Slave) and a second USB port for connection to other devices such as a Flash Drive, USB card reader (USB Host). When connected to the PC you can drag-and-drop content from the PC to the internal memory (if applicable) or memory card. You can also delete content from the internal memory.

NOTE: USB Slave and USB Host can not be used at the same time.

4. Using the SETUP option

Turning on the Photo Display, you will enter the MENU screen. Press the “SETUP” button on the remote control to display the Setup menu. The following options can be changed by using the “SETUP” option from the main menu:

Function	Description
Language	English, French, Spanish, German, Italian, Portuguese
Slideshow time	Slideshow duration: 3s/5s/15s/1mins/15mins/1hr
Slideshow mode	Off, Random, Fading, Expand to Top, Expand to Bottom, Expand to Middle, Bottom to top, Top to bottom, Left to right, Right to left, Door close, Door open, Horizontal Cross, Vertical Cross
Music Repeat Mode	Repeat one, Repeat all, Repeat off
Movie Repeat Mode	Repeat one, Repeat all, Repeat off
Display mode	Normal, Wide
Time	Year / Month / Date / Time setup
Alarm	Alarm Time / Alarm Music / Alarm On/off setup
Brightness	0-16
Contrast	0-16
Saturation	0-16
Auto Power On	Automatic start-up
Auto Power Off	Automatic shut down
Auto Play	Picture / Combo / Movie / Music / Calendar / Main Menu
Default	Recover the factory default setup

NOTE: When entering the “setup” menu, you can only use the remote control for operation. When setting the system function, the OSD buttons can’t be used for operation.

5. Calendar/Clock Display

When you turn on the Photo Display , you will enter the MENU screen. If you select Calendar/Clock and press "PLAY", you will enter the Calendar/Clock menu. If the Alarm function is turned on, CRYSTAL 15 will also show the alarm time. A picture slideshow will be displayed in the picture window at the right part of the screen.



6. Troubleshooting

Symptom	Cause	Corrective Actions
Photo Display doesn't power on	The POWER connector to the unit is not securely inserted.	Make sure to connect the AC adapter to the frame properly. When you connect the AC adapter to the frame and power on the unit, even without a memory card, you should see a blank screen. If you don't see the lit screen, check if the power is connected to the Photo Display and make sure it is securely attached.
No Start-up screen	Memory card is not inserted correctly.	Insert a supported memory card
The File doesn't play	Incompatible File Format	Make sure there is at least one supported photo file on the memory card. <ul style="list-style-type: none"> • Compatible Photo format: JPEG • Compatible Music format: MP3 • Compatible Video format: Motion JPEG (AVI), MPEG1, MPEG2, MPEG4.
Video doesn't play properly	Slow Memory Card	Make sure you use a high-speed memory card to play video files.
Small video size on the screen	Low Video Resolution	Most digital cameras take video in 320x240 or lower resolution. The best supported resolution of a video is 640x480. Use the Zoom button on the remote control to enlarge it.

7. Maintenance and Precaution

- The Photo Display is for indoor use only.
- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
- Do not block the ventilation holes on the back of the Photo Display at any time.
- Keep your Photo Display s out of sunlight. Direct sunlight may cause damage.
- Do not open the case of the Photo Display. There is a risk of electric shock, and there are no user serviceable parts inside. Opening the case will void your warranty.
- Do not use the Photo Display if conditions could allow condensation to occur, or damage may result.
- Your Photo Display is a complicated electronic device and cannot withstand shock from drops.

8. Warranty conditions

This product is subject to the legal warranty periods relating to manufacturing faults and defects.
Substance of the warranty:

Substance of warranty:

1. In the event of malfunctioning caused by manufacturing defects JOB0 AG will repair or replace the defective product at its own discretion.
2. JOB0 AG and its suppliers do not assume any liability for data losses occurring during operation of the device or consequential damage resulting from this. Under no circumstances will JOB0 AG assume liability for any direct, concrete or special damage or consequential damage like for example damage to or loss of property or devices, loss of profits or sales, costs for spare parts, expenditure or inconvenience caused by the interruption of service or any other damage. The user will be exclusively responsible for the loss, damage or destruction of data during the operation of a JOB0 product. Under no circumstances will JOB0 AG be liable for the recreation of such data. Under no circumstances can claims be lodged that exceed the purchase price of the product.
3. The following repairs are not covered by the warranty and must be paid for separately:
 - Malfunctions after the end of the legal warranty periods
 - Change of battery after the end of the warranty period
 - Change of hard disk after the end of the warranty period
 - Malfunctions due to incorrect operation by the user (if device is not used as described in the manual)
 - Malfunctions caused by other devices
 - Changes or damage to the device not caused by the manufacturer; especially, warranty claims will lapse if the device has been opened by anyone other than by a JOB0 AG repair workshop
 - Damage caused by natural disasters (acts of God)
 - A hard disk change during the warranty period must only be performed by JOB0. Such a change by any other party will entail the loss of all warranty claims.

If you want to make any claims under the warranty you are asked to contact the Technical Service of JOB0 AG. You will be expected to quote the serial number of the JOB0 product and may also have to submit proof of purchase to show that the warranty period has not yet elapsed.



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9. Service

If you have any questions on or need help with our products please do not hesitate to get in touch with our Technical Service.

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Subject to technical modification!
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