

NBOXTM

NBOX Flash Player User Manual

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Chapter I Product Presentation

1.1 Function Characteristics

◆ The high-speed USB2.0 interface supports ‘hot plugging’ and enables connection with such equipments as digital cameras and portable hard drives.

◆ It supports portable memory drives such as MMC, SD cards and USB hard disks.

◆ For convenience, a remote control is provided.

◆ Supports JPEG, BMP and GIF picture formats as well as several special effects for on screen display.

◆ NBOX can play MP3, WMA and WAV audio files through your T.V. A frequency spectrum display can simultaneously be shown on your T.V. screen.

◆ NBOX can play the multiple video file formats including AVI, MPG, MPEG, DAT, RM, RMVB and VOB.

◆ You can use your NBOX to browse the files stored on your USB or memory card.

- ◆ Chinese-English bilingual display.

- ◆ NBOX supports the following T.V. output modes: high definition (HD), NTSC composite video and PAL composite video.

- ◆ Software upgrades can be conveniently performed by means of a special file copied from an external memory card.

1.2 Technical Specification

Product name	NBOX	
Voltage	DC 5V	
Supported memory card	SD, MMC and USB disk	
Images	File formats	*.JPG, *.BMP and *.GIF
	Coding format	JPEG (resolution within 8000*5000)
Audio	File formats	*.MP3, *.WMA and *.WAV
	Coding format	MP3: MPEG 1.0 Layer 3 396Kbps~320Kbps WMA: 32Kbps~192Kbps
Video	File formats	*.avi (<720*576), *.mpg (<720*576), *.mpeg (<720*576), *.rm (<720*576), *.rmvb (<720*576), *.vob (<720*576) and *.dat (<720*576)
	Video coding	MPEG1, MPEG2, MPEG4 (Divx, Xvid) and MJPEG

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	Audio coding	MP3 and MPEC
USB interface	USB 2.0 (compatible with USB 1.1)	
Working temperature	-5°C~40°C	
Maximum humidity	90%RH	
Size	140*90*22mm	
Weight	120g	

1.3 Notes

1. Do not expose your NBOX to extremes of temperature or humidity. Also keep free from dust.
2. Be careful not to drop your NBOX when use.
3. The power interface of the product is specially designed and the power adapter provided with the product shall be used, and the interface shall not be connected with other

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power supply units, or uncorrectable consequences like data and hardware damage may be caused.

4. The power adapter of the product shall not be subject to water drop, and the articles full of liquid (such as vase) shall not be placed on it.

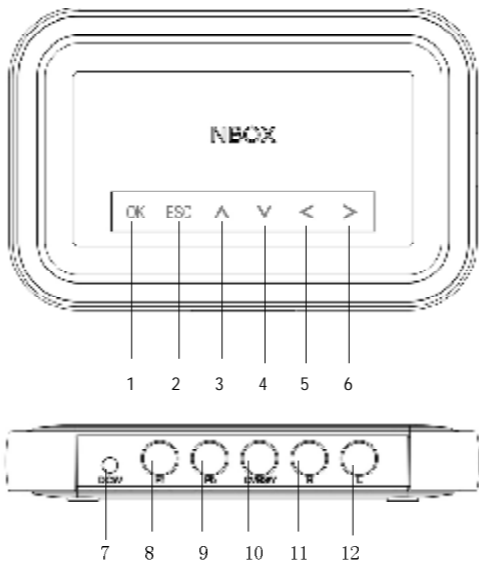
5. The memory card shall not be plugged or pulled during file copy process, or such serious consequences as data loss may be caused.

6. Please do not dismantle the product arbitrarily. Please contact with the distributor for any problem.

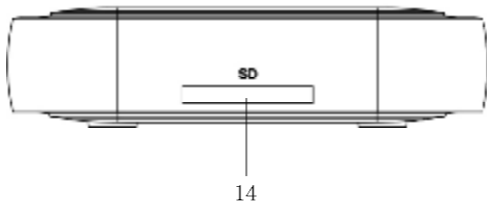
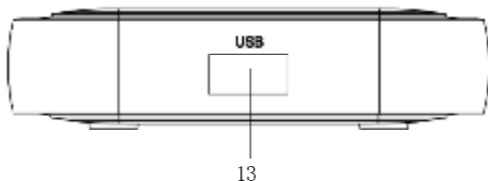
7. The performance and functions of the product are subject to change without notice.

8. When portable hard drive cartridge is connected to NBOX, the external power provided for the portable hard drive cartridge shall be used for power supply, so as to avoid the abnormality caused by insufficient power supply.

1.4 Part Name

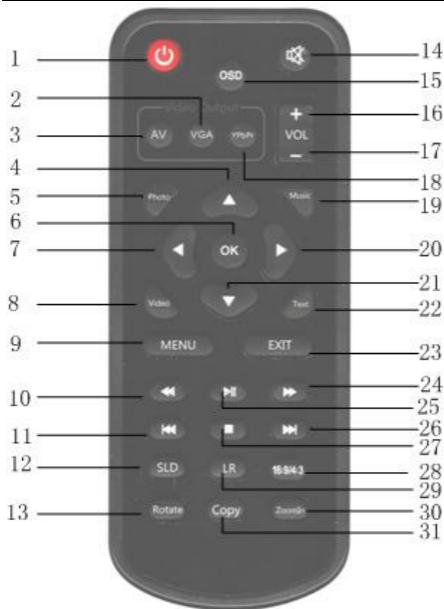


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- | | |
|-----------------|-------------------------------------|
| 1、 Confirm Key | 8、 Pr: red color difference signal |
| 2、 Escape key | 9、 Pb: blue color difference signal |
| 3、 Up | 10、 Y: luminance signal / composite |
| 4、 Down | 11、 Audio Right Channel |
| 5、 Left | 12、 Audio Left Channel |
| 6、 Right | 13、 USB interface |
| 7、 Adapter Slot | 14、 SD interface |

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- 1、 Power on/off
- 2、 VGA(not support)
- 3、 AV
- 4、 Up

- 16、 Volume +
- 17、 Volume -
- 18、 YPbPr
- 19、 Music

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-
- | | |
|-----------------|---------------------|
| 5、Picture | 20、Right |
| 6、OK | 21、Down |
| 7、Left | 22、Back |
| 8、Movie | 23、Exit |
| 9、Menu | 24、Fast Forward |
| 10、Fast Reverse | 25、Play/Pause |
| 11、Previous | 26、Next |
| 12、Slide Show | 27、Stop |
| 13、Rotate | 28、16:9/4:3 |
| 14、Mute | 29、Left/Right Audio |
| 15、OSD | 30、ZoomIn |
| | 31、Copy |

1.5 Packing List

Main frame	1 set
Power adapter	1
Remote control	1
AV transmission line	1 set
Video component transmission line	1 set
User Manual	1

Chapter II Connection with TV

2.1 Connection mode of AV line composite video

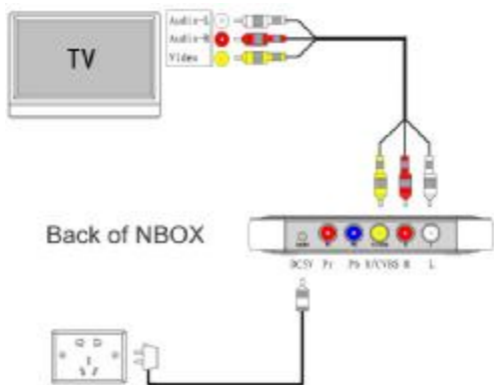
Make one end of AV line equipped with the player inserted into audio and composite video terminals at the back of NBOX as following chart; and then make the other end of AV transmission line connected with the white, red and yellow terminals of TV AV input interface respectively in accordance with their corresponding colors (i.e. the left track, right track and composite video signal).

After connecting with television, please select AV composite video terminal inserted as television signal input source, open NBOX mainframe, then you can see the image.

Note: NBOX's default output format is PAL composite video. If there is no screen display, please check the connection mode and make sure it is correct and the source

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of television signals is correct. If the output mode is not correct, please switch output mode by the “AV” key of remote control, and check whether it can display image correctly or not.



2.2 Chromatism component YPbPr connection mode

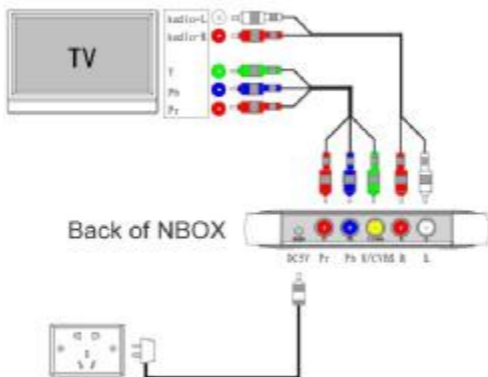
Put one end of video component output line (both ends are green, blue and red lotus plug) inserted into video component output jack at the back of NBOX as following chart; and put the other end inserted into the YPbPr jack of TV component input interface. Among them, green, blue and red respectively correspond to Y: luminance signal, Pb: blue color difference signal, Pr: red color difference signal. And then insert one end of the audio line (both ends are red and white lotus plug) into audio output interface at the back of NBOX as following chart, and insert the other end into the white and red jack of TV audio input interface (i.e. the left and right track) in accordance with color.

After connecting with television, please select color difference interface inserted as television signal input source, set correct audio source, open NBOX mainframe, and then

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you can see image.

Note: NBOX's default output format is PAL composite video. If there is no screen display, please check the connection mode and make sure it is correct and the source of television signal is correct. If the output mode is not correct, please switch output mode by the "YPbPr" key of remote control, and check whether it can display image correctly or not.



Chapter III Operating Instructions

3.1 Power On

Make one end of the power adapter provided with NBOX connected to the power input port (DC-IN) of the product, and then make the power adapter plugged into the power socket. At this time, the product comes into operating condition. Enter the interface for storage medium selection after the startup picture appears.

3.2 Power Off

Press the “Power” key of the remote control under power on condition, and the product will come into standby condition. Please cut off the power if the product is not used for a long term.

3.3 Storage Medium Selection

Enter the interface for storage medium selection after power on.



Function:

The interface for storage medium selection can make you select the storage medium to be operated conveniently.

Operation:

Press ◀/▶ key to select the storage medium to be operated, and press “confirm” for entry.

3.4 Setting

Enter the interface for storage medium selection after power on, and press ◀/▶ key to select setting.



Press “confirm” key for entry.

Operation:

Press “▲/▼” key to select the setting item and press “◀/▶” key to change the value of the option; press “confirm” key to save the settings.

The settable options in the setting menu are as below:

Language: select the language in which the product menu is

displayed.

There are two options for selection: Simplified Chinese and English.

Picture display speed: Set the retention time of picture when automatic display

There are 6 options for selection under this menu: 3s, 5s, 15s, 1min, 15min and 1h.

Picture display mode: Set the display effect of picture when automatic switchover.

There are 11 options for selection under this menu: random, fade-in fade-out, close, down-up, up-down, left-right, right-left, two sides-middle, middle-two sides, horizontal penetration and vertical penetration.

-Music repetition mode: Set the music play mode

-Repeat all: Cycleplay of all songs

-Repeat one: Cycleplay of one song

-Movie repeat play: Set the video play mode

- Repeat all: Cycleplay of all songs

- Repeat one: Cycleplay of one song
- Screen display ratio: Set the screen display ratio
- There are 2 options for selection under this menu: 4:3 and 16:9
- TV output setting: Set the video output signal system of TV
- There are 3 options for selection under this menu: high definition, NTSC composite video and PAL composite video. Please select corresponding output mode in accordance with different connection modes.
- Autoplay: NBOX will automatically search and play the media files of the memory card after power on.
- Default setting: Initialize various settings of the product and recover to the default values of the system.

3.5 Media Manager

Select the storage mediums to be entered on the interface for medium selection, and press “confirm” key to

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access the interface of media manager. There are 5 media options: photo, music, movie, text and file.



Function: The interface for media manager is the entrance of all medias, and all media plays (such as photo, music, movie, text and file) can be accessed through this interface,

Operation:

Press ◀/▶ key for selection and press “confirm” for entry.

3.6 Movie

Press “◀/▶” key to select the storage medium to be accessed on the interface for storage medium selection after power on, and press “confirm” to access the interface of media manager. Under the interface of media manager, press “◀/▶” key to select “movie”, and press “confirm” key to access the list of movie files.



See the above figure: The video preview window is at the right side, which can make you preview the selected video file.


Operation:


Press “▲/▼” key to select the video, and press “confirm” key or “▶ ■ ■” key for play.



● Under the video play status, press “▶ ■ ■” key to pause, and press it again to continue the play.


Press “■” key to stop the current play.



● Under the video play/pause status, press “+/-” key to adjust the volume, and the icon  will appear at the top right corner of the screen.


Under the video play/pause status, press “mute” key to enter the mute status. At this time, the icon  will appear at the

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top right corner of the screen; press the “mute” key again to exit the mute status and the mute icon will disappear.

- Under the video play/pause status, press  key to select the previous/next video.

- Under the video play/pause status, press  key for fast backward/forward. Switchover between x2, x3, x4 and original can be performed if the  key is pressed continually.



- Under the video play/pause status, press the “ZoomIn” key for zooming in. At this time, the icon  will appear at the top right corner of the screen, which means that the video is zoomed by 2 times. Switchover between x2, x4, x8 and original can be performed if the “ZoomIn” key is pressed continually.

- Under the status of video play/pause, press “sound accompanying” on the remote control to swith among left track, right track and stereo.

- It supports breakpoint play. In the course of playing, if you

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pull out the memory card or U disk, the video will automatically stop playing and return; reinsert memory card or U disk, the player can continue to play from the interrupted location just now.

- Under the state of video play, press “OSD” or “OK” to show control section, press “◀/▶” key to move your cursor to “subtitle” function button on the control section; and then press “OK”, the top right of the screen will show ; press “OSD” to hide display of control bar, the bottom of screen will display plug-in subtitles; if you want to abolish the display of subtitles, you need to show control section once again; move your cursor to “subtitle” function button on the control section, and then press “OK”, the top right of the screen will show , the subtitle display is abolished. Press “OSD” to hide display of control bar.

- Subtitle files and video files should be kept in the same directory and ensure the same file name; extension can be ssa, smi, srt.

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●Under the status of video play, press “OSD” or “OK” to show control section, press “◀/▶” key to move your cursor to the right most time place on the control section; one second later, the shown time will be blinking, and there will be a underline beneath hour; at this time press “▲ / ▼” key to adjust time; press “◀/▶” key to switch among hour, minute and second. After setting up, press the “OK” button then begin to play from the selected time point. The selected time should not extend over the actual length of videos.

●Under the video play/pause status, press “sound accompanying” on the remote control or “confirm” to call out control bar.

●Press the “◀/▶” key to select the corresponding functions on control bar, and press “confirm” key for operation.

The functions of the buttons of the control bar are as below in order from left to right:

- ◆ Fast backward
- ◆ Previous video
- ◆ Play/pause
- ◆ Next video
- ◆ Fast forward
- ◆ Stop
- ◆ Zoom in
- ◆ Subtitle (*)
- ◆ Current play time
- ◆ Press “OSD” key to conceal the control bar

(*) At present, NBOX can display three kinds of subtitle format: ssa, smi and srt.

Prompt: NBOX can play the multiple video file formats including AVI, MPG, MPEG, RM, RMVB, VOB and DAT. Since the existing video files have multiple kinds of compression formats and the same format has multiple kinds of coding formats (some coding formats are open), so it can not be ensured that the video files of all formats

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can be played normally by NBOX. All shall be based on the actual operation result.

3.7 Music

Under the interface of media manager, press “◀/▶” key to select “music”.

Press “confirm” key to access the list of music files.



Operation:

Press ▲/▼ key to select music, and the system will automatically play the music 3s later.

Prompt: When VBR (Variable Bit Rate) music is played, the displayed play time may be inaccurate.

Please refer to the instruction in foregoing “movie” section for such functional operations as file selection, pause/play/stop, volume adjustment, mute, fast backward/fast forward, etc.

3.8 Photos

Under the interface of media manager, press “◀/▶” key to select “photo”.

Press “confirm” key to enter the photo mode.

Prompt: At this time, the system will automatically search all pictures of the current disk. Affected by the number of photos, the reading speed may be slow. Please be patient.



Operation:

- Press “▲/▼/◀/▶” key to select the corresponding pictures, and page up/down can be performed by pressing “⏪/⏩” key. Press “confirm” key to preview.



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- Under the picture browse status, press “◀▶” key to select the previous/next picture.

- Under the picture browse status, press “▶▶” key to pause the browse, and press it again to continue the browse.

Press “■” key to stop the current browse. After the picture browse is stopped, the system will enter into file browse status, which can make you browse the pictures under the drive letter.

- Under the picture browse or pause status, press the “ZoomIn” key to zoom in the picture. At this time, the icon “Q x2” will appear at the top right corner of the screen, which means that the video is zoomed by 2 times. Switchover between x2, x4, x8 and x16 can be performed if the “ZoomIn” key is pressed continually. When the picture is zoomed in, the picture can be moved through “▲▼” or “◀/▶” key after the control bar is concealed by pressing “OSD” key.

- Under the picture browse/pause status, press “sound

accompanying” key to play music files in memory cards in the way of background music.

● Press “OSD” or “confirm” to call out the control bar, and press “◀/▶” key to select the corresponding function in the menu. Press the “confirm” key for operation.

The functions of the buttons of the control bar are as below in order from left to right:

- ◆ Previous picture
- ◆ Browse/pause
- ◆ Next picture
- ◆ Rotate the picture (rotate for 90 degrees at the clockwise direction for each rotation)
- ◆ Stop
- ◆ Zoom in the picture
- ◆ Show the information on name
- ◆ The automatic browse speed and display mode of pictures can be set in “setting”.
- ◆ Multi-picture display: 18 pictures (3*6) can be displayed

simultaneously.

◆ Press “OSD” key to conceal the control bar.

3.9 E-book

Under the interface of media manager, press “◀/▶” key to select “text”.

Press “confirm” key to enter into e-book management.



Functions:

When USB memory device or various memory cards are connected to NBOX, the file information can be displayed

immediately in the file list. Users could perform operation for the files of the memory device.

Operations:

Press “◀/▶” key to select E-book, and press “confirm” or “▶” key to enter the contents of the next level.

Press “◀” to return to the contents of the previous level.

Press “▲▼” key to select E-book, and press “confirm” to play the selected e-book.

Press the “return” key for exit.

Press “▲▼” to select E-book, and press “▶” to select e-books. The icon “📄” will appear at the right side of the selected e-books. Press “copy” key to make the functional operation (copy/delete) options of e-book pop up. Press “▲▼” to select the corresponding functions, and press “confirm” for operation.

After copy is selected, press “◀/▶” key to select the duplicate path, and press “confirm” key to start the copy.

The selected e-books will be deleted after “delete” is


selected.

Prompt: If the card has been locked, then “error” will be given when e-books are deleted. Please execute the deletion operation after unlocking.

Chapter IV Firmware Upgrade

Firmware upgrade can be performed for NBOX:

Operation steps:

1. Make the upgrade files (*img) copied to the memory device, and then make the memory device connected to NBOX;
2. Select “file” under the interface of media manager, and press “confirm” for entry;
3. Select the upgrade files (*img) and press the “confirm” key.
4. Select “”, and press the “confirm” key to start the upgrade;

5. There will be upgrade process display during the upgrade process. The new version software will come into effect after the system restarts automatically.

Prompt: The files with suffix img are the special upgrade files of the system, and please do not save similar files in the memory device.

Chapter V Common Troubleshooting

1. Failure in TV output

It may be caused by improper TV output method. After starting up, press the “AV” key on the remote control, you can switch to PAL composite video and NTSC composite video. And you can switch to high definition by press the “YPbPr” key on the remote control.

2. Failure in play of video files

First, please inspect if the file format is within the format scope supported by the product; if not, there may be

the failure in play. If the file format supported by the product can not be played, please play the file by a computer; if the play fails either, then the file has been damaged.

3. Memory card can not be recognized

Please re-recognize the memory card after it is formatted by a computer.

4. The formatted SD card can be recognized, but the file can not be played

The memory card has a failure and please replace it with a new one.