

A.C.Ryan



PLAY ON! LIVE
ACR-PV78100

USER MANUAL

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1 USER INFORMATION

1.1 CAUTION

This player is designed and manufactured with safety in mind. In order to safely and effectively use this player, please read the following before usage.

1.1.1 Usage Cautions

The player's power voltage: DC 5V. Please use the original supplied AC adapter with this player. Never connect the AC adapter to the player in a humid or dusty area. Do not replace or modify the wiring or the connector of the AC adapter.

1.1.2 Radio Interference/Compatibility

Almost all electronic devices will get radio interference if it is not properly shielded. Under some conditions, your player might get interference. The design of this player complies with CE standards and adheres to the following rules:

- This player may not cause harmful interference
- This player may receive some interference, which may cause undesired operation.

1.1.3 Repair

If the player has a problem, you should take it to an appointed repair center and let the authorized specialists do the repair. Never repair the player yourself as you might damage the player or endanger yourself.

1.1.4 Disposing of the player

When you dispose the player, be sure to dispose of it appropriately. Some countries may regulate disposal of electrical devices, please consult with your local authority.

1.1.5 Hard Drive Cautions

The player uses an external USB hard drive for data storage including recording.

- Physical Impact may create bad sector in your hard drive. You can use CHKDSK (on Windows OS) to check and fix the problem.
- All data stored in your hard drive may be lost due to physical impact, electrical shock, power lost, HDD format etc.
- It is recommended that you perform defragment after a long period of usage.
- Regularly backup the data in your hard drive so that it can be recovered in an event of data corruption or loss. AC Ryan takes no responsibility for loss of data stored on the hard drive.

1.1.6 Others

When using the player, please do not let the player come in contact with water or other liquid, if water is accidentally spilled on the player, please use a dry cloth to absorb the spillage.

Electronic products are vulnerable, when using please avoid the following:

- Do not let the player come into contact with water or other liquid.

- Do not disassemble the player, repair the player or change the design of the player, any damage done will not be included in the repair policy.
- Avoid hitting the player with hard object, avoid shaking the player and stay away from magnetic fields.

During electrostatic discharge or when exposed to a strong electromagnetic field, the product will malfunction. If this happens, then unplug the power cable and the product will return to normal performance next time when it is powered on.

1.1.7 Warranty

Your Playon!LIVE is covered with 1 year limited warranty from the date of purchase including its supplied remote control and power adapter.

What your warranty does not cover:

- Acts of nature, such as fire, static discharge
- Damages from unauthorized repair, alternation or accident.
- Damages from misuse or neglects.
- A unit that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- Loss of customer's software, firmware, information or memory data.
- Improper handling or installation.

2 PRODUCT INFORMATION

2.1 PRODUCT OVERVIEW

Thank you for purchasing an AC Ryan Playon!LIVE DVB-T2 Recorder, model: ACR-PV78100. View Free-to-Air TV programs through Digital Video Broadcasting via Terrestrial 2 (DVB-T2). Record and playback your favorite TV shows.

2.1.1 AV Essentials

Resolution: 480i/p, 576i/p, 720p, 1080i/p

Aspect Rate: 16:9 Widescreen, 4:3 Letterbox, 4:3 Pan Scan, Auto Aspect Ratio

Video: HDMI, RCA (CVBS)

Audio: LPCM, HDMI Passthrough, S/PDIF Coaxial

Surround Sound: Up to Dolby Digital 5.1

Digital TV Antenna In*

Digital TV Antenna Passthrough#

* for Digital TV (DVB-T2) In-built Tuner

for signal passthrough to another DVB-T2 tuner or to DVB-T2 ready Television unit. The player must be powered on in order to amplify the signal passthrough.

2.1.2 DVB-T2 Specification

DVB-T2 Standard: EN 302 755 v1.3.1

Frequency Range: 177.5MHz - 226.5MHz / 474MHz - 858MHz

Modulation: QPSK 16 / 64 / 256-QAM

FFT Size: Up to 32K

Guard intervals: Up to 1/128

FEC: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6

Physical Layer Pipes (PLP): Both Single & Multiple

2.1.3 USB Connectivity

1 x Hi-Speed USB2.0 Port

The player supports up to 3TB external USB hard drive. The player will recognize FAT/FAT32/NTFS file system for external USB hard drives. Other file systems such as Mac OS X Extended (HFS) or Third Extended (EXT3) are not supported.

2.1.4 Media Formats & Codes

The player supports the following media file format: MKV, TS, TRP, VOB, M2TS, AVI, MOV, MP4, DAT and MP3

2.1.4.1 Video Codecs

MPEG-1/2/4, H.264/AVC, VC-1 (Max. 80Mbit/s @ MPEG2, Max. 60Mbit/s @ H.264/AVC)

2.1.4.2 Audio Codecs

AAC LC, HE-AAC v1 / v2, AC3, E-AC3

The player supports Dolby Digital AC3 5.1 and Dolby Digital Plus E-AC3 passthrough and downmix to stereo. To bit stream Dolby Digital Plus E-AC3, HDMI enabled Audio & Video Receiver (AVR) must use via HDMI connection. SPDIF connection is not capable to bit stream Dolby Digital Plus E-AC3 due to the bandwidth limitation on SPDIF.

2.2 PLAYER PHYSICAL APPEARANCE

2.2.1 Front Panel

- 1) Hi-Speed USB2.0 Host Port

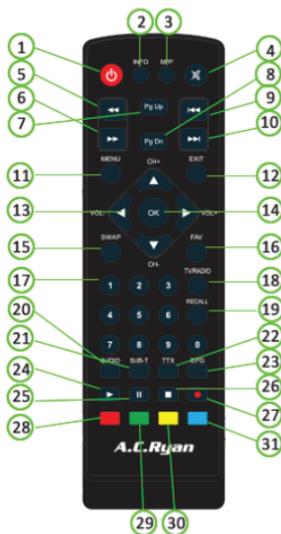
2.2.2 Back Panel (Left to Right)

- 2) RF Inlet
- 3) RF Outlet (signal passthrough to another DVB-T2 tuner or to DVB-T2 ready Television unit. The player must be powered on in order to amplify the signal passthrough.)
- 4) Coaxial Out

- 5) HDMI Out
- 6) Composite Video
- 7) Composite Audio (Right & Left)
- 8) DC Inlet

2.2.3 Remote Control

- | | |
|------------------------|---------------------|
| 1. Power | 17. Numeric Buttons |
| 2. Info | 18. TV/RADIO |
| 3. M/P | 19. RECALL |
| 4. Mute | 20. AUDIO |
| 5. FRWD | 21. SUB-T |
| 6. FFWD | 22. TTX |
| 7. Pg Up | 23. EPG |
| 8. Pg Dn | 24. PLAY |
| 9. PREV | 25. PAUSE |
| 10. NEXT | 26. STOP |
| 11. Menu | 27. REC |
| 12. EXIT | 28. RED |
| 13. Navigation Buttons | 29. GREEN |
| 14. OK | 30. YELLOW |
| 15. SWAP | 31. BLUE |
| 16. FAV | |



Note: Some buttons have multiple functions in different module of the players.

No.	Button	Function
1	POWER	Press to enter standby mode or wake-up.
2	INFO	Press to display TV current status, signal strength. Press during playback, an on-screen display appears showing the track number and time elapsed/remaining.
3	M/P	
4	MUTE	Press to mute audio output. Press again to resume.
5	FRWD	Press to fast rewind the current playback. Press repeatedly to select speeds. (2x / 4x / 8x / 16x / 24x)
6	FFWD	Press to fast forward the current playback. Press repeatedly to select speeds. (2x / 4x / 8x / 16x / 24x)
7	PG UP	Press to quick switch to the first channel on the TV channel listing.
8	PG DN	Press to quick switch to the last channel on the TV channel listing.
9	PREV	Press to view the previous file.
10	NEXT	Press to view the next file.
11	MENU	Press to enter Menu.
12	EXIT	Press to exit system prompt.
13	NAVIGATION BUTTONS	Press Left Arrow to decrease Volume Press Right Arrow to increase Volume Press Up Arrow and Down Arrow to change TV channel.
14	OK	Press Ok Button to confirm.
15	SWAP	Press to quick swap category.
16	FAV	Press to access Favourite channels.
17	NUMERIC BUTTONS	Press to enter numeric input when changing settings.
18	TV/RADIO	Press to switch over radio channel.
19	RECALL	Press to switch over to the last browsed TV channel.
20	AUDIO	Press to set audio options. Press repeatedly to select audio tracks.
21	SUB-T	Press to set subtitle options. Press repeatedly to select subtitle tracks.
22	TTX	Press to access Teletext.
23	EPG	Press to enter Electronic Program Guide
24	PLAY	Press to begin playback
25	PAUSE	Press to pause playback
26	STOP	Press to stop playback
27	REC	Press to record. Press again to set OTR (one time recording).
28	RED	Press to enable AD (audio description). Press again to disable. Press to rename in media player mode.
29	GREEN	Press to switch display language in EPG. Press to
30	YELLOW	Press to access additional menu option under File Manager.
31	BLUE	Press to change aspect ratio. Press repeatedly to select aspect ratio.

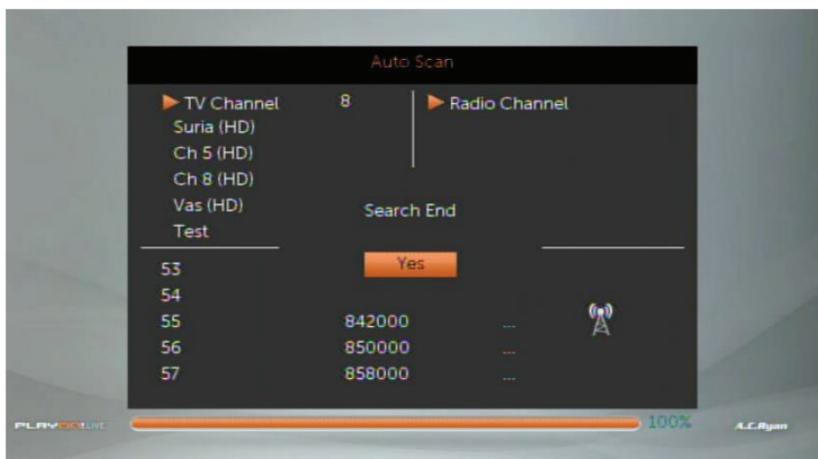
2.3 INITIAL SETUP

When you first set-up the player, you will be greeted with the initial setup window of the player.



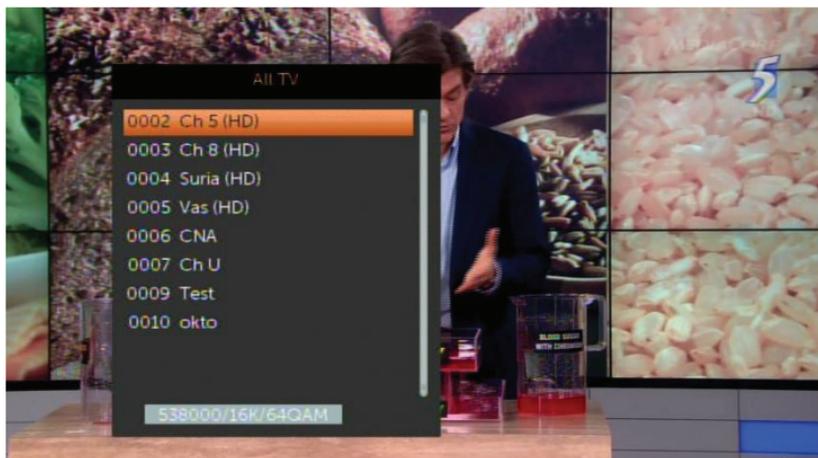
You can set the region, language of the player. You can also set the display output mode of the player. The player will automatically perform a channel scan once you have completed the initial setup.





The player will scan through the broadcasted frequencies and will store the channel listings into the player's memory.

Note: Depending on the region you're using the player in, the channels listing may varies.



3 MENU FUNCTIONS

3.1.1 Main Menu

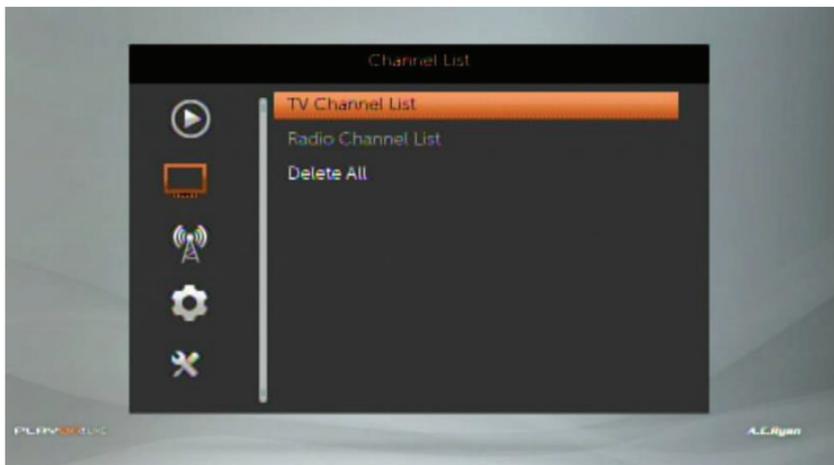
The main menu of the player consist of 5 sub-categories. They are File Manager, Channel List, Scan, System Setup and Miscellaneous. To access Main Menu, press 'Menu' button on your remote control and use 'Up/Down' Arrow to navigate. Press 'Right' or 'OK' button to access the options.

3.1.1.1 File Manager



Use this menu to playback media contents stored on your external hard drive. You may access your recordings, video files, music and pictures through this menu.

3.1.1.2 Channel List



Use this menu to access the TV Channel listing as well as Radio Channel listing. You may also delete all channels from the player through this menu.

Note: You will need to perform channel scan again after deleting all channels from the player.

3.1.1.3 Scan



Use this menu to perform channel scan. This menu consist of 3 options – Manual Scan, Auto Scan and LCN.

Manual Scan

- Conduct channel scan using a specific frequency or by a specific channel number.

Auto Scan

- Conduct full range of channel scan.
 - You will be able to modify and change country
 - FTA Only – To only display Free to Air TV programs.
 - T2 Signal Only – To only display DVB-T2 signal.
 - T2-Lite Support – To also scan for DVB-T2 Lite signal.

LCN

- LCN is known as Logic Channel Numbering which is a method to remap program number as used in DVB transmission. We recommend to turn on this option.

3.1.1.4 System Setup



Use this menu to perform and make changes to the general settings of the player.

Language

- To change system default language and other language options.

TV System

- To change video resolution output by the player, aspect ratio and Digital Audio Out settings.

Display System

- To change display brightness, contrast, saturation, hue and sharpness.

Local Time Setting

- To change date/time settings.

Timer Setting

- To create schedule viewing or schedule recording on a particular TV channel at an user specified date/time.

Note: For schedule recording, please make sure that the hard drive is connected to the player's USB host port on the front panel of the player at all times to prevent any failure in recording.

Parental Lock

- To enable 4-pin numeric code on the player to lock the menu. The default pin is '0000' (Four zeros). User will be able to modify and change the default pin to their desired pin code.

OSD Setting

- To set OSD timeout in an increment of 1 second, up to 10 seconds. To set OSD transparency.

Favorite

- To set and rename Favorite Group. User can customise up to 8 Favorite group.

PVR Storage Information

- To show the total capacity of the attached USB Mass Storage device. User will also be able to configure their hard drive for 'REC & TMS', 'Timeshift' or 'Record' only. User will also be able to use the device to format their external hard drive.

Note: REC stands for Recording. TMS stands for Timeshift.

PVR Setting

- To set Timeshift related options.

Other

- To set Antenna related options.

3.1.1.5 Miscellaneous



Use this menu to restore default factory setting, firmware upgrade and safely removal of USB device.

Factory Settings

- To restore factory default settings

Upgrade via USB

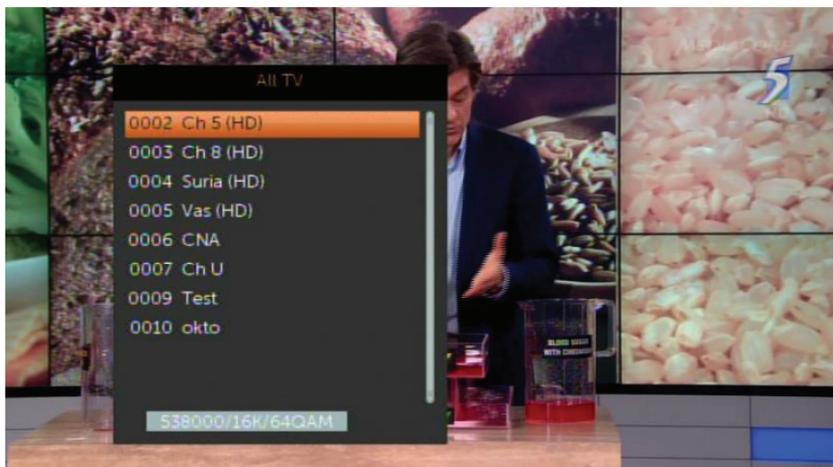
- To upgrade firmware version on the player

Safely remove USB device

- To safely remove attached USB Mass storage device.

4 DIGITAL TV FUNCTION

After you have completed the initial setup, you should have Digital TV channels listing. The system will automatically show Digital TV immediately after it powers on from standby mode. In this menu, you can watch and record Digital Terrestrial TV programs, or activate the time shift function.



The following are some functional buttons on the remote control, available when watching:

Name	Function
Okay	Press to view the program list menu.
Up / Down	Press to switch channels. (Channels that are currently in recording will be locked).
Numeric buttons	Press to input channel number. Then press 'Okay' to confirm
REC	Press to start recording the current TV program. Press again to activate duration recording. Press Numeric button to set the duration. Press again to set the desired duration.
Pause	Press to activate Timeshift*
Play	Press to Play the Timeshift*
Stop	Press to exit Timeshift*
Subtitle	Press to activate the subtitle list menu if available.
EPG	Press to activate the EPG menu if available.
TTX	Press to activate the Teletext menu if available.
Audio	Press to activate the audio list menu if available.
RED	Press to enable AD (audio description) if available.
BLUE	Press to change Aspect Ratio
INFO	Press to check current show. Press again to Channel Status

Note: *Timeshift options must be enabled before you can activate Timeshift. To enable Timeshift, go to 'Menu' > 'System Setup' > 'PVR Settings' > enable 'Timeshift'.

4.1 EPG

To access Electronic Program Guide, press 'EPG' on your remote control during Digital TV. This allow you to access the Electronic Program Guide to show all the program listing.



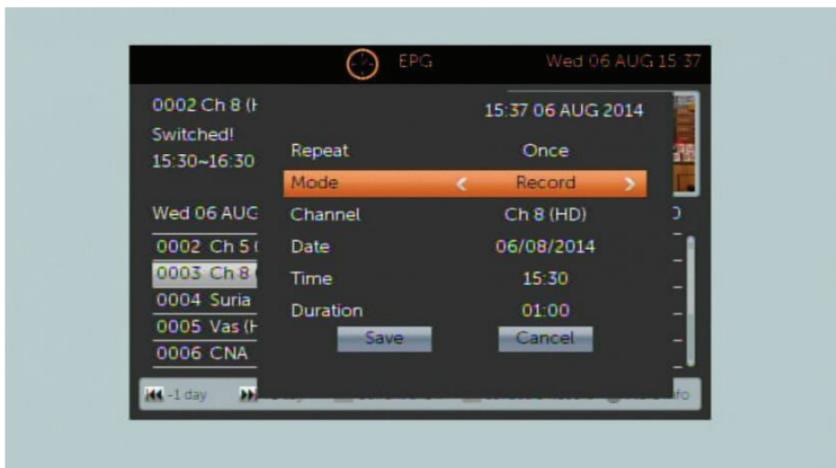
The following are some functional buttons on the remote control, available when accessing EPG:

Name	Function
Navigation	Press to navigate around the listing.
PREV	Press to display the listing for the previous day

NEXT	Press to display the listing for the following day
PG UP	Press to return to current listing
PG DN	Press to set schedule recording on the current listing
Okay	Press to see program description
GREEN	Press to switch language on program description
RED	Press to exit program description

4.1.1 EPG Schedule Recording

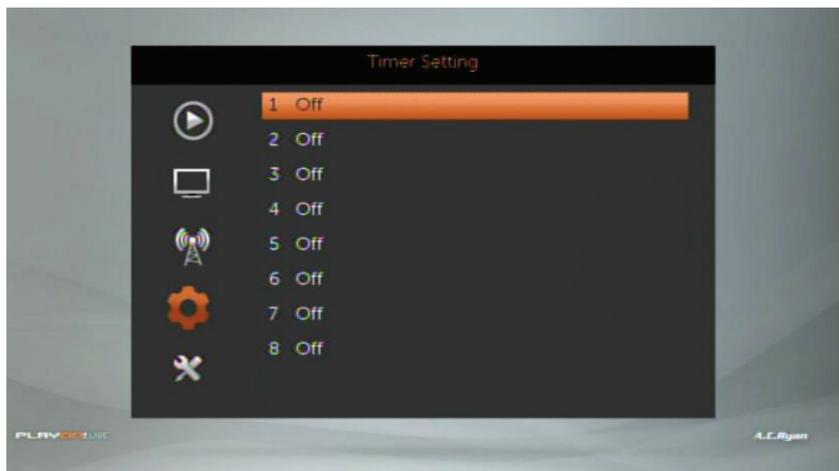
To set up a schedule recording through Electronic Program Guide, you need to first access EPG during Digital TV. Navigate to the channel and the program listing that you wish to record, then press 'PG DN' on your remote. A schedule record window will appear which you can make changes to set repeat recording on Weekly, Daily basis.



Note: An external USB Mass storage is required for recording. The USB Mass storage must be connected to the player at all times during the recording.

4.2 TIMER SCHEDULE RECORDING

To set up timer recording, you need to first access 'Menu' during Digital TV. Press 'Menu' on your remote control, then navigate to System Setup and select 'Timer setting'. You will see 8 timer schedule slots. Select the available slot using the navigation button.



Note: An external USB Mass storage is required for recording. The USB Mass storage must be connected to the player at all times during the recording.



1. Set 'Once / Weekly / Daily' under Repeat mode
2. Set 'Record' as mode for recording. If you wish to view
3. Set the channel that you wish to record under Channel
4. Set the Recording Date under 'Date'
5. Set the Start Time under 'Time'

6. Set the duration under 'Duration'. To set the duration, you need to use the numeric buttons on the remote control
7. Select 'Save' to store your schedule into the system

To remove the pre-set schedule recording. Under Timer setting, choose the schedule slot that you wish to remove.

1. Set 'Off' under Repeat Mode
2. Select 'Save' to remove the selected schedule from Timer setting.

Note: Once you have set your scheduled recordings, you may power off the device to standby mode. The front LED will display in 'Red' in colour to represent 'standby'. The player will automatically power on 1 minute before the actual schedule time. It will prepare itself to start recording once the timer reach the actual time. Once the recording is done, the system will automatically power off itself back to standby mode.

