

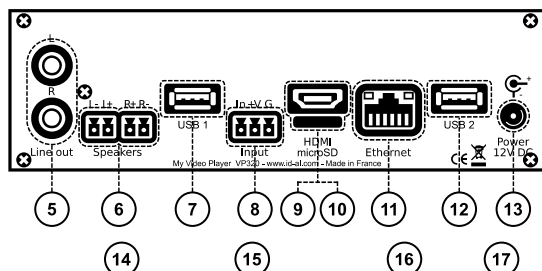
ID-AL My Video Player

Quick Start Guide V1.0 for VP320 and VP330

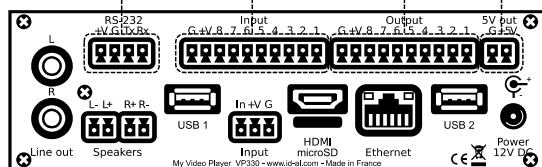
1 Introduction



The My Video Player range is composed of standalone 4K HDR UHD video players supporting video, picture, and audio files in many formats stored in an internal memory, or on a microSD card or a USB flash drive. Files can be played automatically according to an "AutoPlay" setting, a timestamped programming, or a triggering by external events (input contacts, RS-232 or TCP/IP commands, infrared remote control).



- 1 Headphone stereo audio output, standard 3.5 mm (TRS) jack
- 2 Infrared sensor
- 3 Clickable knob (volume)
- 4 Status LED
- 5 0 dBu line-level stereo audio output, RCA connectors
- 6 Class D amplified speaker stereo audio output, pluggable terminal blocks
- 7 USB Host 2.0 for USB flash drive, type-A receptacle
- 8 Standalone opto-isolated input and power supply output, pluggable terminal block
- 9 HDMI audio/video output, type-A (standard) receptacle connector
- 10 microSD card slot
- 11 10/100 Mbps Ethernet, RJ45 connector
- 12 USB Host 2.0 for USB flash drive, type-A receptacle
- 13 External DC power supply chassis socket
- 14 RS-232 serial link and power supply output, pluggable terminal block
- 15 8 opto-isolated input contacts and power supply output, pluggable terminal block
- 16 8 MOSFET outputs and power supply output, pluggable terminal block
- 17 5 V DC output, pluggable terminal block

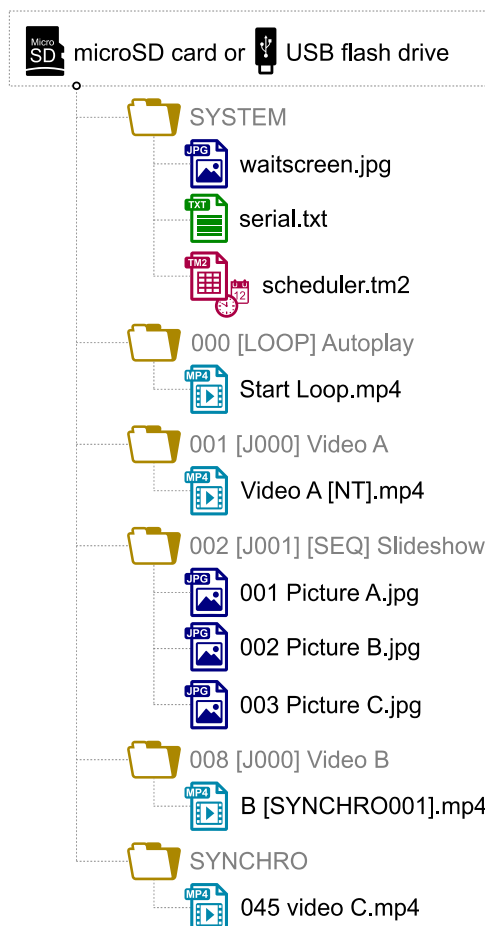


This guide explains how to quickly start up the player for the first use. For the firmware, additional software and the complete user guide of the product, see the support page of the My Video Player on www.id-al.com.

2 Preparation of the Storage Device

Choose a quality microSD card or USB flash drive, and format it as FAT32. Store on it useful files according to the organization demanded by the player (see given opposite example). Do not use special or accented characters.

- Optional configuration files in the **SYSTEM** folder at the root: `serial.txt`, `scheduler.tm2`, `waitscreen.jpg`, `maintenance.jpg`, etc.
- Organization of the playback folders at the root:
 - No subfolders allowed.
 - Naming: `xxx Name [TAG1] [TAG2]` or `SYNCHRO`
 - `xxx`: folder no. from 000 to 999 used by the commands. The AutoPlay feature uses the 000 folder.
 - Name (optional): folder name (free).
 - `[TAGx]` (optional): tags controlling the playback. See the chapter [Folder and File Tags](#).
- Organization of the files in the playback folders:
 - Format: MP4, MKV, MOV, WAV, MP3, M4A, OGG, JPG, PNG, BMP and more.
 - Naming: `Name [TAG1] [TAG2].ext`
 - In sequential mode, the files are played in the alphanumeric order.
 - Name: filename (free).
 - `[TAGx]` (optional): tags controlling the playback. See the chapter [Folder and File Tags](#).
 - `ext`: extension according to the file format.



3 Connection of the Input Contacts

The standalone input contact of the VP320 and the VP330 or the 8 input contacts of the VP330 are used to generate events. Triggering devices can be connected to these inputs (e.g.: push-button, presence sensor, relay, PLC, SensoPad, IRPad, etc.). These devices must behave like open or closed contacts between an input and the ground of the player, the activation being triggered by a closed contact by default. The activation of the standalone input contact generates a standalone event, and the activation states (1 if activated) of the input contacts of the VP330 are combined to form a binary code identifying the generated event:

$$xxx\text{ combination} = \text{Input}_1 + \text{Input}_2 \times 2 + \text{Input}_3 \times 4 + \text{Input}_4 \times 8 + \text{Input}_5 \times 16 + \text{Input}_6 \times 32 + \text{Input}_7 \times 64 + \text{Input}_8 \times 128$$

A command is assigned to each event. By default, the standalone input and the `xxx` combination on the other inputs trigger the playback of the folders `001` and `xxx`, respectively. The setup menu allows to change these commands. With the VP330 and up to 8 combinations (`001`, `002`, `004`, `008`, `016`, `032`, `064`, `128`), the triggering devices can be directly connected to the inputs. Beyond, a circuit based on diodes can be used to obtain up to 255 combinations (e.g.: the board ID-AL Ext15In providing up to 15 combinations).

4 Connection of the Output Contacts

The VP330 offers 8 outputs with MOSFET switches (up to 500 mA per output) to operate power relays, motor controllers, lights, players, and various devices. The states of the output contacts can be controlled by the `[RESxxxxxxxx]` (applied at Start of playback) and `[REExxxxxxxx]` (applied at End of playback) folder and file tags. `xxxxxxxx` represents the activation states of the 8 outputs, from the 8th to the 1st: a 0 opens the contact, a 1 closes it, and a # keeps its last state. E.g., if `001[RES00001000][REE00000000]` is the name of the folder `001`, then the 4th contact is closed and all the other contacts are opened when the playback of this folder starts, and all the contacts are opened when the playback of this folder ends.

5 First Startup

- Make sure that the player is off (mains adapter unplugged).
- Connect the video and audio outputs to the installation according to the needs.
- Connect the input and output contacts according to the needs. See the chapters [Connection of the Input Contacts](#) and [Connection of the Output Contacts](#).
- Connect the Ethernet network and the RS-232 serial link if needed.
- Insert the prepared storage device. See the chapter [Preparation of the Storage Device](#).
- Turn the player on by plugging the mains adapter.
- Use the setup menu to configure the player. See the chapter [On-Screen User Interface](#).
- The player is operational.

6 On-Screen User Interface

The on-screen information and menu, the clickable knob, and the infrared remote control are aimed at viewing the player state, configuring it, and controlling the playback. The following controls are available:

Control	Remote Control Key or Front Panel Control							Description			
Playback	▶	■		◀	▶	←	→	↑	↓	Control the playback.	
Custom	■	■	■	■	■	■	■	■	■	Send a configurable order.	
Volume	VOL +	VOL -	◀	Clickable knob							Change the volume.
Standby and wake up	POWER							Set the player to standby or wake it up.			
Configuration	MENU	ESC	OK	←	→	↑	↓	Use the on-screen setup menu to configure the player.			

7 Scheduler

The player can be programmed thanks to the Scheduler, according to a timetable provided on the storage device. It manages the playback thanks to folder playback, stop and resume commands.

- The timetable is stored in a `scheduler.tm2` file, to generate with the Scheduler software.
- Once the `scheduler.tm2` file has been created, it must be placed in the `SYSTEM` folder of the storage device as explained in the chapter [Preparation of the Storage Device](#).

8 FTP Server

To manage the files and folders of the storage device over the network, use the embedded FTP server of the player. In an FTP client application, enter the following settings:

- Host: IP address of the player (e.g.: 192.168.0.104).
- Port: 21.
- User: username of the embedded FTP server (by default: idalftp).
- Password: password of the embedded FTP server (by default: idalftp).

Note: for maximum security, it is highly recommended to set proper usernames and passwords in the setup menu.

9 Playback Start Synchronization

This feature allows to synchronize the start of playback of a designated file within a group of players over the network, using the selected multicast UDP port:

- With the [SYNCHROxxx] file tag (e.g.: Video A[SYNCHRO001].mp4), the player sends the xxx synchronization request to all the other players within the group.
- The players receiving the xxx synchronization request look for a file with a name beginning with xxx in the SYNCHRO folder (e.g.: 001 Video B.mp4). All the players of the group then start the playback synchronously.
- For all the players in the group, in the setup menu, select Scenario settings → Playback start synchronization, then enable Playback start synchronization and change the Multicast UDP port value if needed (by default: 44830).

10 Firmware Update

In the setup menu, select System settings → System update:

- With the Internet, the firmware can be updated from our servers by selecting Check for update.
- In all cases, the firmware can be updated manually by selecting Manual update and then choosing firmware files from a storage device.

In order to complete the firmware update, follow the on-screen instructions.

11 Reference

11.1 Folder and File Tags

Tag	Folder	File	Parameter			Description
			Min	Max	Default	
[Jxxx]	•	•	000	999		Jump to the xxx folder at the end of the playback.
[LOOP]	•					Play a folder in a loop without executing the end and start tags at loop time.
[RESUME]	•					Resume the playback of a folder, taking into account its previous playback history.
[RET]	•	•				Return to the previous folder at the end of the playback.
[RND] and [SEQ]	•				[RND]	Random or sequential folder playback mode.
[V+xxx] and [V-xxx]	•	•	000	100	000	Relative volume of the folder or of the file.
[NT]	•	•				Block all the commands from a configurable list of sources.
[RESxxxxxxx] and [REExxxxxxx]	•	•	Each x: 0, 1 or #			Set the states of the 8 th to 1 st output contacts at the Start or at the End of the playback: 0 = open, 1 = close, # = don't change.
[RSSxxx] and [RSExxx]	•	•	001	999		Send the #xxx RS-232 frame from the serial.txt file at the Start or at the End of the playback.
[WHL]	•					Play the folder while the assigned input combination remains activated.
[NXTxxx]	•		001	999		Play the next xxx files each time the folder is played.
[SYNCHROxxx]		•	001	999		Synchronize the start of playback between the players over the network.

11.2 RS-232 Serial Link

This link allows the player to receive commands, to send arbitrary frames, and to send status information. By default, it is configured as follows (can be changed in the setup menu):

Baud Rate (bauds)	Start Bit(s)	Data Bit(s)	Parity Bit(s)	Stop Bit(s)	Handshake
19200	1	8	0	1	None

- In reception, the player obeys a control protocol also used over TCP/IP. See the chapter [RS-232 and TCP/IP Control Protocol](#).
- Arbitrary frames can be sent with the `[RSSxxx]` and `[RSExxx]` tags. These frames must be defined in the `serial.txt` file in the `SYSTEM` folder of the storage device, as `#xxx:tt tt tt...`, with one definition per line (e.g.: `#002:98 75 21 35 45 B2`).

11.3 RS-232 and TCP/IP Control Protocol

The control protocol allows the player to receive commands and information requests. It can be used either over RS-232 or over TCP/IP port 65079. It is based on a 3-byte frame: "Status", "Command", and "Data":

Status	Description	Command	Description	Data	Description
80h	All the players.	01h, 11h, 21h, 31h, 41h, 51h, 61h, and 71h	Play a folder in a bank of 128 folders. command = bank × 10h + 1	00h to 7Fh	Number of the folder in the bank.
		02h	Playback control.	01h	Play the last played file.
				02h	Stop the playback.
				03h	Play the next file of the current folder.
				04h	Play the previous file of the current folder.
				05h	Pause or resume the playback.
				06h	Play the next folder.
				07h	Play the previous folder.
				0Eh	Pause the playback.
				0Fh	Resume the playback.
				Standby and wake up.	08h
		0Ch	Set the player to standby.		
		0Dh	Wake up the player.		
		Volume control.	09h		Increase the volume by one step.
0Ah	Decrease the volume by one step.				
10h	Mute or unmute the sound.				
11h	Mute the sound.				
12h	Unmute the sound.				
81h to FFh	Only the player with the ID from 1 to 127.	03h	Volume control.	00h to 40h	Volume value.
		04h	Information request.	01h	Request the state of the player.
				02h	Request the name of the current file.
				03h	Request the path of the current file.
				04h	Request the name of the active storage device.
				06h	Request the current folder no.
				09h	Request the remaining time of the current playback.
				0Ah	Request the total time of the current playback.
				0Bh	Request the volume value.

12 Factory Reset

In the setup menu, select `System settings` → `Storage & reset` → `Factory reset`, then follow the on-screen instructions.