<u>Flash MPX SD</u>



MANUAL

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CAUTION! DO NOT EXPOSE TO HUMIDITY & DUST! Unplug the power supply cable before any servicing FOR YOUR SAFETY, PLEASE READ THE USER'S GUIDE CAREFULLY BEFORE OPERATING YOUR PLAYER.

A. SAFETY INSTRUCTIONS

A.1 CE marking

The CE marking is found on the nameplate, at the rear side of the device. It certifies the conformance of the device with the low voltage CE Directive, according to the EN 55022 standard, and the Electromagnetic Compatibility Directive 61000-4-x.

A.2 Directives

• The requirements related to the electromagnetic compatibility and low voltages directive are met.

A.3 Overview

• The user manual is an integral part of the product. It must always be kept handy & close by. Proper usage conforming to the product intended purpose involves strict compliance with the instructions given in this manual.

In the event of return of the equipment, the user manual should be handed over to the new purchaser. The staff should receive instructions concerning the proper usage of the device.

• Only usage of genuine parts ensures perfect safety for the user and correct operation of the device. Moreover, only accessories mentioned in the technical documentation or explicitly approved by the manufacturer must be used. In the event of usage of accessories or consumable products from other brands, the manufacturer cannot stand guarantee for the correct and safe operation of the device.

• Damages caused through usage of accessories or consumable products from other brands will not entail right to any benefit under the terms of warranty.

• The manufacturer will be liable for the safety, reliability and functioning of the product as long as the assembly, settings, modifications, extensions and repairs have been carried out by the manufacturer or a company approved by the manufacturer and if the device is used in accordance with the instructions mentioned in this manual.

• The player complies with the technical safety standards in force at the date of print of this manual. All rights reserved for the electrical diagrams, procedures, names and devices mentioned herein.

• Any reproduction of the technical documentation, even partially, without the written authorization from Waves System is prohibited.

A.4 General Safety instructions

This device has been shipped out from our facilities in perfect working condition. In order to preserve these conditions, for safety and to avoid any risk of accidental bodily injury, the user must imperatively follow the safety instructions and read the 'Caution!' messages included in this manual.

This device, made by Waves System, has been designed in a way that practically eliminates any risk if it is used in accordance to its intended purpose. Nevertheless, with a concern for safety, we would like to draw your attention to the following instructions:

· When using the device, comply with all local rules and regulations in force. Any modification or

conversion of the device automatically entails loss of the homologation. The operation of a modified device is liable to a penalty. In the interest of occupational safety, the operator and the user are held responsible for complying with the regulations.

• Keep the original packing for a possible product re-shipment. Also ensure to keep the packing material out of children's reach. Only this original packing ensures optimal protection for the product during transportation. If a product reshipment appears to be necessary during the guarantee period, Waves System is not liable for any ensuing damages arising during the transportation and attributable to a defective packing.

• This device is used to broadcast audio files. It should be used only by persons whose training or knowledge ensures proper handling.

• Before every use, the operator must check that the device is in perfect working condition.

• This product must not be used in places where there is a potential explosion risk. Besides, it must neither be used in an environment favouring combustion nor in a humid or excessively hot or cold location.

A.5 Safety instructions against risks due to electric currents

• The device must be connected to a grounded AC power outlet or a European standard outlet installed as per good professional practices.

• Before connecting the device, check that the power supply voltage and frequency match the specifications indicated on the device.

• Before powering, check that the device and cables are not damaged. Damaged cables and connections must immediately be replaced.

• Never allow the power cords to come in contact with other cables. Handle the power supply cable as well as all other cables connected to the mains with extreme care.

• Always connect the plug-in connector in the end. Ensure that the On/Off switch is in 'Off' position before connecting the device to the mains. The mains outlet must remain accessible after the installation.

• Check the device and its power supply cable from time to time. Disconnect the device from the mains when it is no longer used or for the purpose of maintenance.

• Handle the power cord by using the plug-in connector only. Never remove the plug-in connector by pulling the power cord.

• Electrical connection, repairs and maintenance must be carried out by qualified personnel.

• Do not switch on or switch off the device within a short span of time as this will reduce equipment life.

A.6 - Terms of use:

• This product has been designed for indoors use only.

• If this device has been exposed to very high temperature fluctuations (e.g.: after transportation), do not connect it immediately. The condensation formed inside the device could damage it. Allow the device to attain ambient temperature before connecting it.

• Do not shake the device, avoid sudden movements during its installation or handling.

• When selecting the spot for installation of the player, ensure that it is not exposed to a high source of heat, humidity or dust. There should not be any cables lying around as they might jeopardise your & others safety.

B. PRODUCT INFORMATION

B.1 Correct usage

The player is used to broadcast audio/video files automatically. Correct usage involves compliance with the instructions given in this manual as well as with the requirements concerning installation.

B.2 Incorrect usage

Any other usage or usage beyond the scope of this application is considered as incorrect usage. The manufacturer shall not be liable for the damages ensuing from it. The user shall bear full responsibility for the risks incurred.

B.3 Delivery details

Flash MPX SD player External power supply Remote control User's manual

B.4 Specifications

Audio/video Player model : Flash MPX SD Nominal electrical values of the power supply connection Voltage (V) 100 to 240 Frequency (Hz) 50-60 For details see Annex A

B.5 Installation

The device must be installed in a dust free area.

Do not install the device directly against a wall. To avoid overheating, the ventilation openings must not be blocked. Take care to leave an empty space above the ventilation slits.

B.6 Electrical connection

Before activation, check whether the mains voltage matches with the voltage indicated on the rating plate.

1 - Product presentation

The Flash MPX SD is an Audio/Vidéo player. The files are stored on an USB stick, SD card or Compact Flash. This standalone player can read files automatically when switch on.

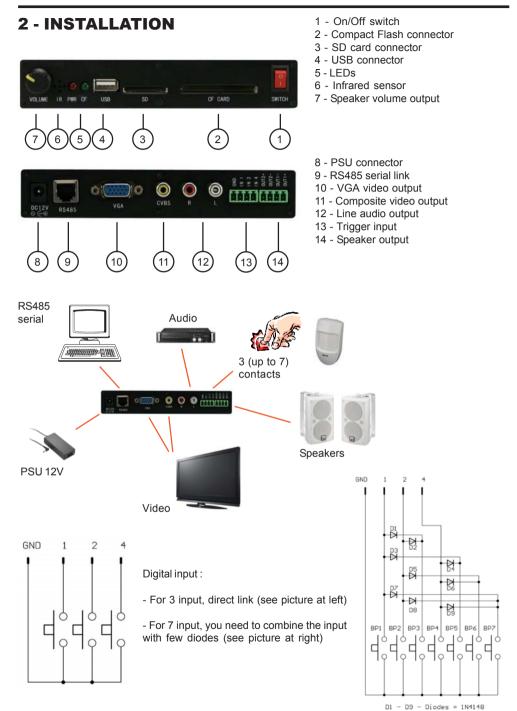
Using the trigger input, you can play the selected files.

With the RS485 link, you will send command to the player. (select folder, play, stop ...)

Flash MPX SD is used in digital signage market or integration projects for museums, exhibitions, retail, theme parks & tourist attractions...







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3 - First use

Connect the Flash MPX SD on a video display and insert a media (USB stick, SD card, CF) with few mpeg video files. Connect the PSU and switch on. You can see your video. If no media is detected, you will see a jpeg background image.



Welcome page with no media.



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4 - Quick Start

The Flash MPX SD plays from :

- USB falsh memory
- SD card or Compact Flash memory

Don't use name over 8 characters. No space

NO	-> YES
my video file.mpg	-> myfile.mpg
MY VIDEO FOLDER	-> VIDEO

Please, don't use Apple MAC to copy the files on the memory. Do not use MAC to create the «playlist.txt» file. Name «playlist.txt» using lower case letters. Do not use capital letters. This file is required only if you want to play video using push buttons. The playlist.txt is a file that relates (lists) video files to certain inputs. The purpose of this playlist is to create "software input" so that each file can be associated

How to play file when switch on (autoplay mode) ?

1 - Copy at least one file at root of the media.

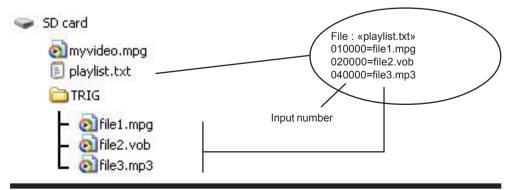
Example : flower.mpg sea.mpg boat.mpg

Note : Flash MPX SD don't read file inside sub folder.

How to start files from inputs ?

- 1 At least one file at root of the media
- 2 The «playlist.txt» file with the information about triggers input.
- 3 A folder including the files to play

Example of a media :



 myvideo.mpg
 -> play in lo

 playlist.txt
 -> config file

 \TRIG
 -> Folder wir

 \file1.mpg
 -> Play file1.

 \file2.vob
 -> Play file2.

 \file3.mp3
 -> Play file3.

-> play in loop when switch on -> config file -> Folder with files to play -> Play file1.mpg with input 1) -> Play file2.mpg with input 2) -> Play file3.mpg with input 3)

Explanation :

- When switch on, Flash MPX SD play «myvideo.mpg» in loop.

- With a contact on input 1, Flash MPX SD play «file1.mpg» and return to the root file «myvideo.mpg»

- With a contact on input 2, Flash MPX SD play «file2.mpg» and return to the root file «myvideo.mpg»

- With a contact on input 3, Flash MPX SD play «file3.mpg» and return to the root file «myvideo.mpg»

5 - Input modes

5.1 - Standard mode

playlist.txt is a text file that contains the Flash MPX SD setup and instruction on how you want the input (push button) to play the files that are located inside the file folder.

example : 010000=file1.mpg

• The first 2 numbers are for input

Example : 010000=file1.mpg

You can combine the 3 inputs to create up to 7 inputs (binary).

01 : Contact 1	
02 : Contact 2	
03 : Contact 3	-> Input 1 + 2
04 : Contact 4	
05 : Contact 5	-> Input 1 + 4
06 : Contact 6	-> Input 2 + 4
07 : Contact 7	-> Input 1 + 2+ 4

You can create up to 59 lines from 00xxxxxx to 59xxxxxx and use the jump function.

Example :	
030000=flower.mpg	-> Input 3
060000=boat.mpg	-> Input 6
590000=car.mpg	-> Jump to line 59

• Third number is not used.

Example: 010000=file1.mpg

Reserved for a future use. Must be to 0

• Fourth number is for interrupt.

Example: 01000=file1.mpg

0 : play the file with interrupt

1 : play the file NO interrupt

• Fifth and sixth numbers are for "what to do" OR "where to go" after playing a file.

Example: 010000=file1.mpg

0100 <u>00</u> =fichier1.mpg	-> 00 : Play the files at root
0100 <u>05</u> =fichier1.mpg	-> Jump to line 05xxxx
010026=fichier1.mpg	-> Jump to line 26xxxx

Example of «playlist.txt» file

010000=file1.mpg	-> Play file «file1.mpg» when input 1 is triggered and return to root
020012=file2.vob	-> Play file «file2.vob» when input 2 is triggered and jump to line 12*
030112=file3.mpg	-> Play file «file3.mpg» when input 3 (1+2) is triggered and jump to line 12**
040026=file4.mpg	-> Play file «file4.mpg» when input 4 is triggered and jump to line 26*
120100=filexx.vob	-> Play file «fichierxx.vob» and return to root**
260000=fileyy.mpg	-> Play file «fichieryy.mpg» and return to root*

* : File can be interrupted

** : File can not be nterrupted

Special codes :

- Code «00» 0100<u>00</u>=file1.mpg

After read «file1.mpg», Flash MPX SD return to the root and read the files

- Code «99» 0100<u>99</u>=file1.mpg

Flash MPX SD stop and wait a new command. Display a black screen.

- Code «98» 0100<u>98</u>=file1.mpg

File «file1.mpg» is read in loop

Annexe A - Specifications

• Power supply : 12V DC

• Size :

Width : 160mm - Height : 28mm Depth without connector : 135mm

Connectors :

- Audio/Vidéo :
 - 1 x VGA Sub D 15 pins
 - 1 x Video CVBS / composite output RCA
 - 1 x Audio output RCA
 - 1 x Speaker output Screw terminal
- Infrared remote control
- Media :
 - 1 x USB type A USB 1.1 and 2.0 compatible
 - 1 x SD card connector
 - 1 x Compact Flash connector

Functions

Video output :

- PAL/576p 720x576 (4:3 and 16:9) Composite out
- NTSC/480p 720x480 (4:3 and 16:9) Composite out
- VGA 640x480 VGA out

Format :

- .vob (DVD) .mpg (MPeg 2)
- .jpg (still images)
- .mp3 (up to 320kbps) .wav (16 bits / 44.1 and 48 kHz)

Don't use video file over 9 Mbit/s.

Storage

- SD card : SD/SDHC
- Compact Flash
- USB memory flash compatible USB 1.1 and USB 2.0

Annexe B - Télécommande infrarouge

Le lecteur peut être commandé par une télécommande infrarouge car il intègre un capteur accessible à l'avant de la carte.

Key	Function
Power Title INFO Mute	ON/OFF file list (2 steps) Time remaining Mute
1 2	Input 1
3	Input 2 Input 3
4	Input 4
5	Input 5
6	Input 6
7	Input 7
8	Input 8
9	Input 9
0	Input 0
Repeat	Repeat mode
Time seek TV mode	-
Home	-
Menu	-
Slow	Slow 3/4x, 1/2x, 1/4x, 1/8x, 1/16x
Setup	Setup Menu
Zoom	-
Vol +	Volume +
Vol -	Volume -
Up Arrow	Up
Down Arrow	Down
Left Arrow	Left
Right Arrow	Right
OK	OK / PLAY
Audio Subtitle	-
Resume	-
Angle	-
Pause	Play/Pause
Return	Play image by image
Stop	Stop
Rwd	Rewind
Fwd	Fast forward
Prev	Previous file
Next	Next file





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