HDAbox

Interactive Video/Pictures On/Off-line Applications
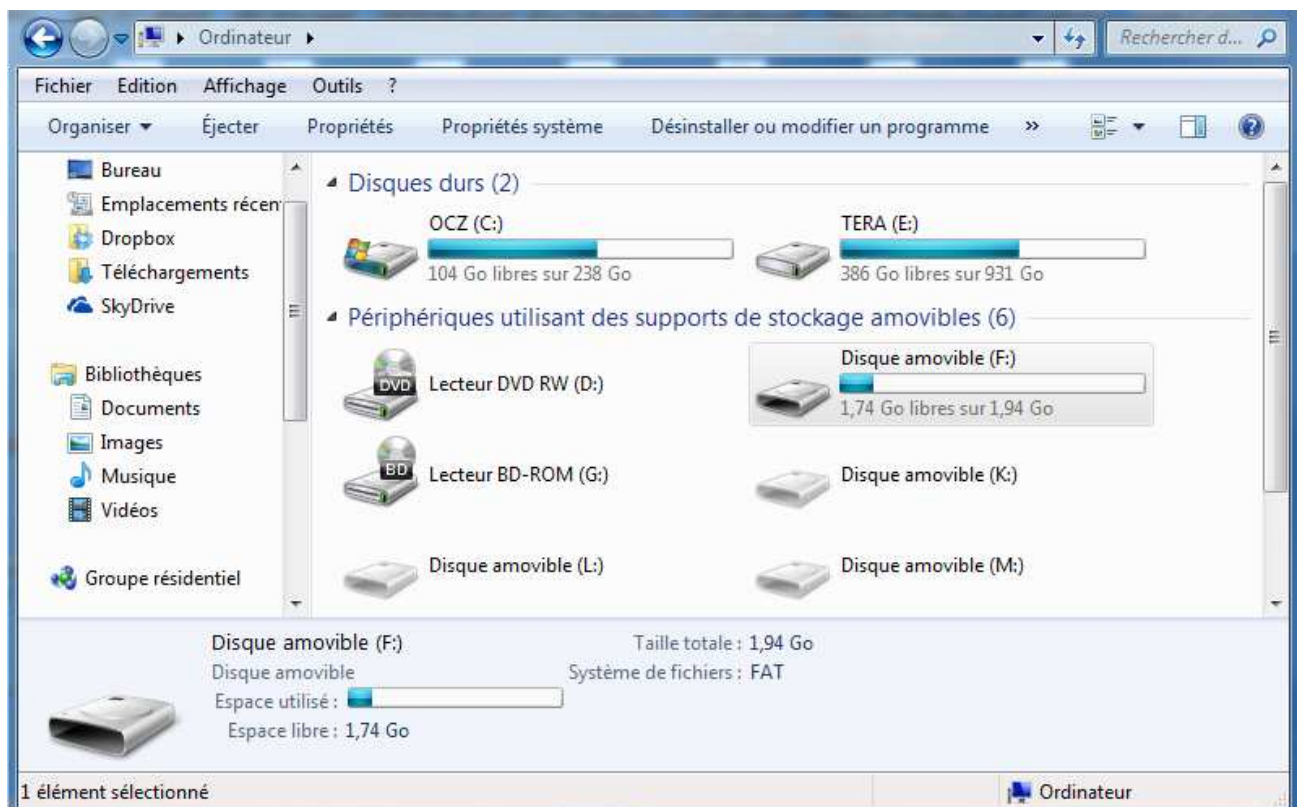
HDAbox Installation Manual
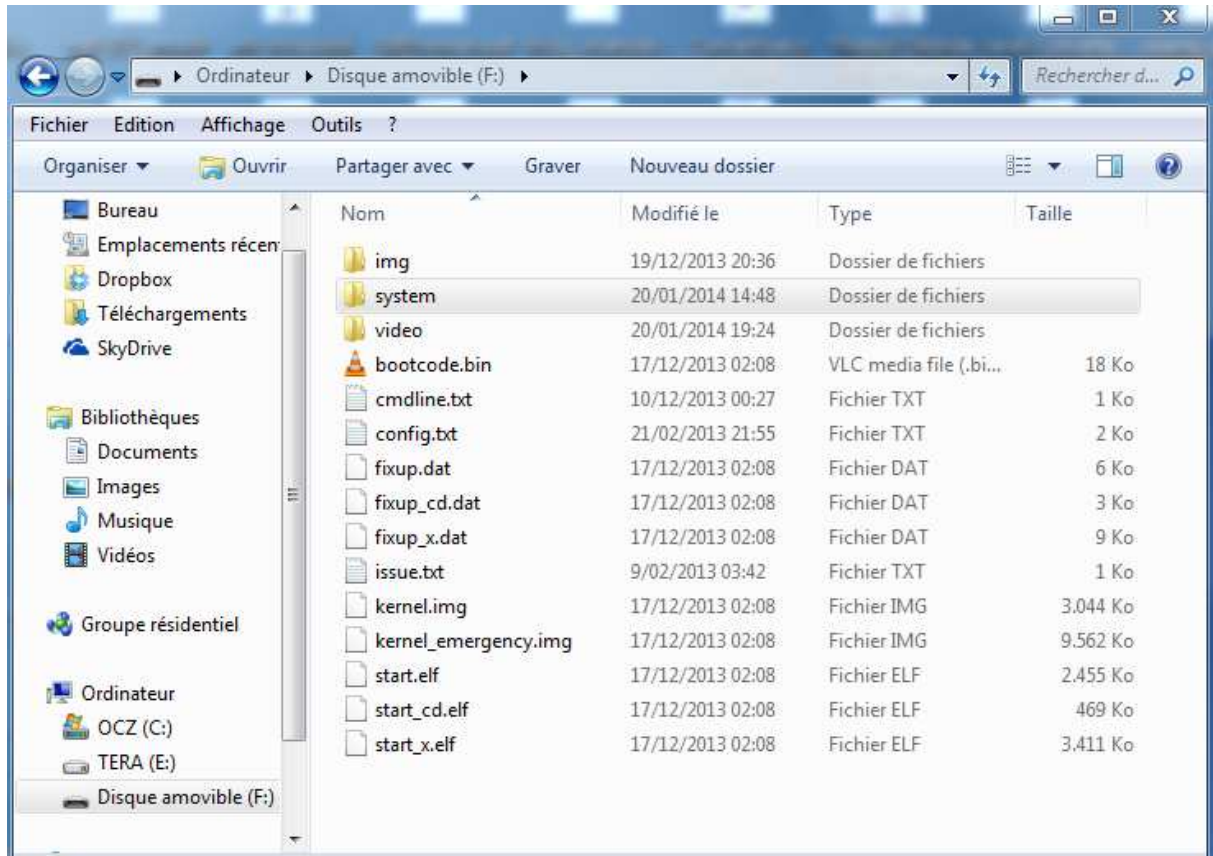
1 COPY MEDIA FILES ON THE DEVICE

The device is equipped with a removable memory card on which are placed the video files you want to play. To copy files, simply insert the card into a computer equipped with an SD card reader.

When the card is in the drive, select Computer from the Start menu.
Your card should appear in the removable storage.

Click the corresponding icon of your SD card to open the root folder.

The **img** folder will contain all the images of a slideshow presentation type

The **video** folder will contain video and audio tracks

The **system** folder hosts configuration files

Other files in the root directory are essential to the functioning for the device to run, do not destroy and do not change them.
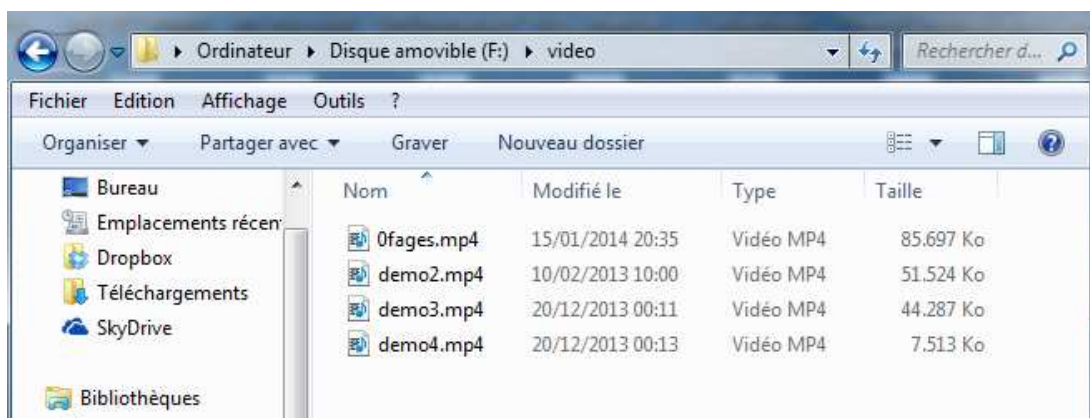
IMG FOLDER

Place here the images of a slideshow presentation, the quantity of images is only limited by the capacity of the card. Images must be **'.jpg'** or **'.png'** files. During the presentation they will be sorted in alphabetical order.

VIDEO FOLDER

Place here the video you want to play, the number of videos is limited only by card capacity. The files must be compressed preferably with a mp4 codec H264. The file name must be one of the following extensions:
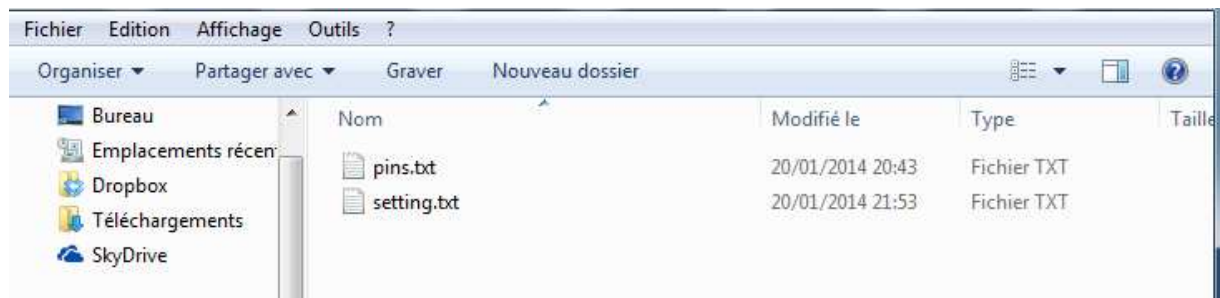
'.avi', '.divx', '.h264', '.mov', '.mp4', '.mp3'

The other files are ignored. During the presentation files will be sorted in alphabetical order.

2 READING CONFIGURATION MODE

SYSTEM FOLDER

The **setting.txt** file is used to define the autonomous behavior of the video player
To modify this file right click and choose "open with notepad" or simply double-click the file name.

The file should contain a single line which is of the following form:
<MODE> <PARAMETER>, <SWITCH TYPE >
MODE = IMG, LOOP, SEQ, TRIG, TSEQ or TEST
PARAMETER = a track number, this parameter is optional
SWITCH TYPE = NO or NC, this parameter is optional

Note :
NO = Normally Open
NC = Normally Close

SETTING MODES OVERVIEW

LOOP,   video file corresponding parameter is repeated indefinitely when device is powered on.
If there is no number, the first video is looped

e.g. :
LOOP   play the first video folder's file in loop
LOOP,3   play the 4th video in loop

TRIG,   to start the video, it need action on the switch. At the end of the video, the player stops waiting for a new action. The number of the video in the directory is given as a parameter.

e.g. :
TRIG,1,NO   playing the first video file when closing dry contact. This is a switch type " Normally Open " as a doorbell button.

TRIG,1,NC   playing the first video file when opening contact. This is a switch type " Normally Closed " as most of PIR sensor.

SEQ   all videos in the folder are played sequentially. After the last video, the loop starts again at the first.

TSEQ   on every action on the switch, the next video is played. After the last it's the first and so on.

e.g. :
TSEQ,0,   the next video file is played at NO closing contact switch (e.g. pressure on a button). This is a switch type " Normal Open " as a doorbell button . Note that the parameter 0 must be present

IMG   the images in the folder are shown in slideshow

TEST   in this mode, the screen displays the status of the switch or sensor connected to the device to check the proper operation of this trigger.

Note: In triggering modes, you must wait until the end of a track to be able to re-initiate a new one.

When you insert or remove the card make sure the device is not powered ON.

The card is inserted label side down into the slot at the bottom of the unit, do not force the card it is normal that exceeds +/- 1 cm.
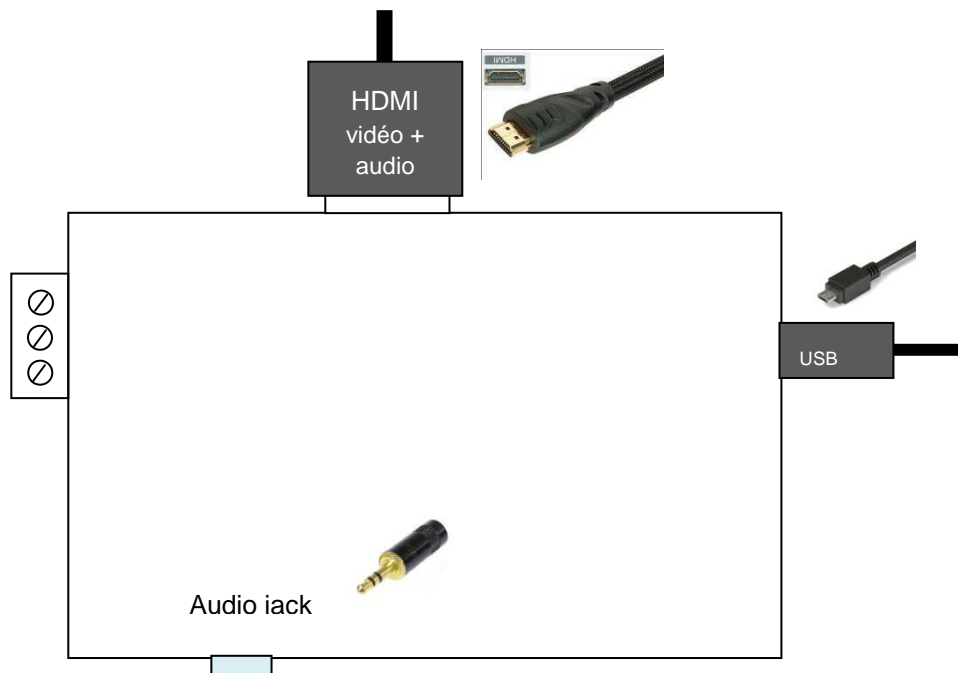

Label down, connector up

4 WIRING

In the simplest use, as loop player, simply connect two cables to the screen and the device is ready for operation.

HDMI cable (not supplied with the unit) connects to the side of the player, the other end is connected to the TV or projector.

USB A / micro USB B cable supplied with the unit used to power it. The small connector plugs into the device near the memory card slot. The other end plugs into a USB socket on the TV. If the TV does not have USB ports, then there should be a USB power is available as an accessory (REF RS-USB-220V-PLUG).
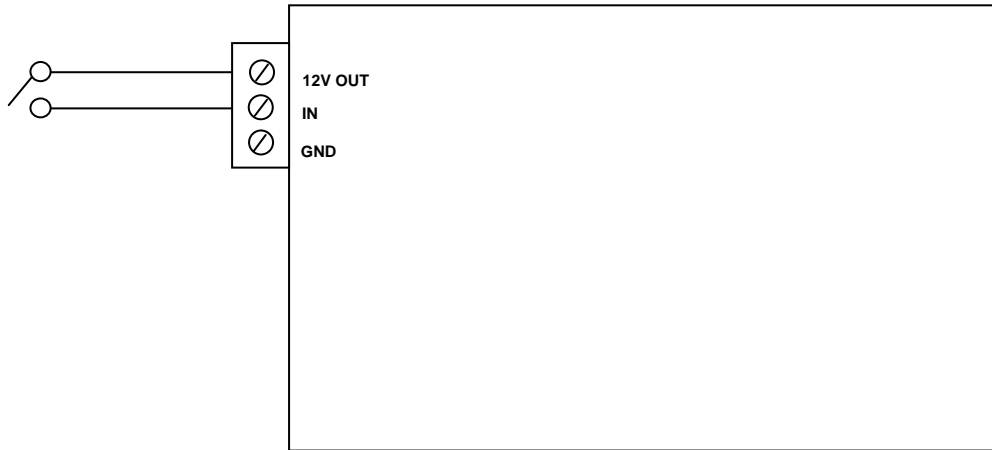
The digital audio output is integrated into the HDMI signal, it is possible to have a second audio (analog) output on a 3.5mm jack.
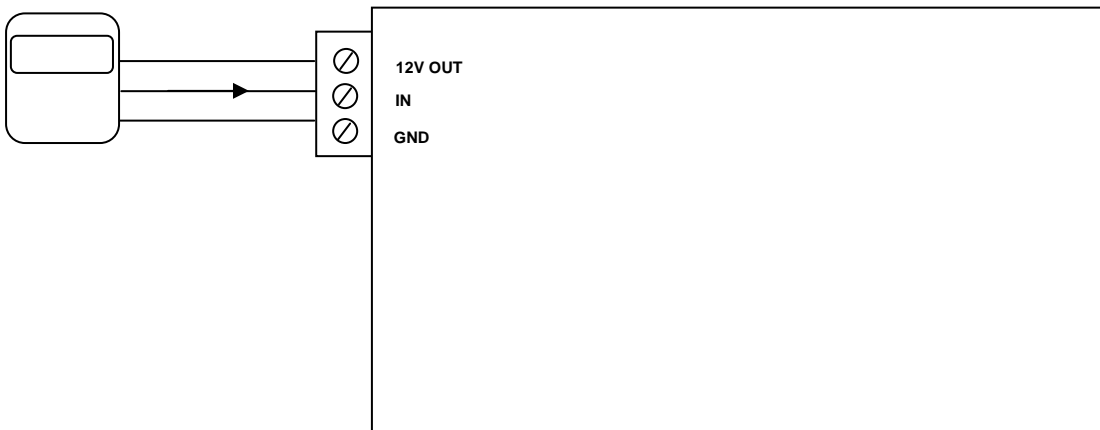

Note : the Video composite RCA connector should be used when no HDMI available.

1 – Button or relay without power

2 – Powered sensor

Internal wiring of PIR IS-215T sensor (see also PIR documentation). You have to make a bridge between input +12V (terminal 1) et C marked terminal (3). This sensor is NC type.