

# GeoPlayer - Quick start guide

## 1 - Connections

### Memory card :

We recommend the use of a quality SD card of a minimum size of 64Mo.

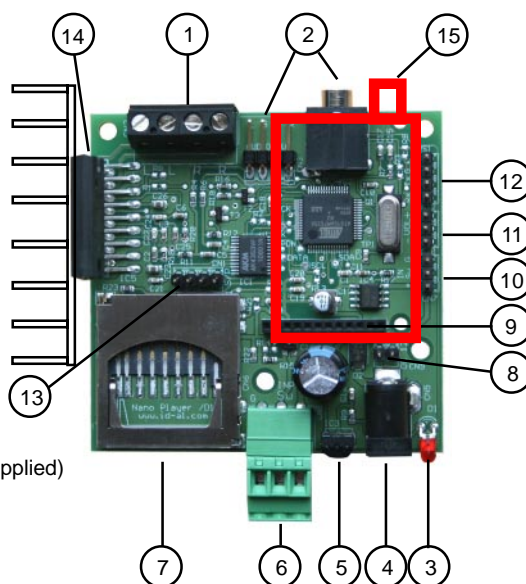
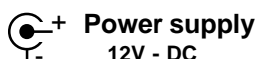
A brand new card is usually pre-formatted in «FAT». It is also possible to use format FAT32 for cards over 512Mo capacity.

The SD card must only be inserted or removed whilst the NanoPlayer is NOT POWERED ON.

### Files compatibility :

- Stereo MP3 files, 44.1KHz, from 112kbit/s to 320kbit/s (CBR and VBR)
- Stereo Wav files, 44.1kHz, 16 bits

- 1 - Amplified audio output
- 2 - Audio output on line level
- 3 - Luminous indicator
- 4 - Power supply socket
- 5 - Infrared sensor
- 6 - Input on dry contact
- 7 - SD card connector
- 8 - Power supply (internal repeat)
- 9 - GPS module
- 10 - Input (repeat on pin connector)
- 11 - Volume setting
- 12 - Option (Serial link)
- 13 - Option (S/PDIF)
- 14 - Amplifier + heat dissipator to fit (not supplied)
- 15 - Input for GPS antenna



## 2 - Cooling:

**The amplifier heats up and it is important to add a cooling device.**

The size of the device must be proportional to the desired power; the wall of the case, a piece of metal or a purchased cooling device can be used.

## 3 - Operating the GeoPlayer

Files are organized into two directories ; directory names are composed of 2 or 3 digits:

Directory 0x contains the files to be read on powering on and played back in loop

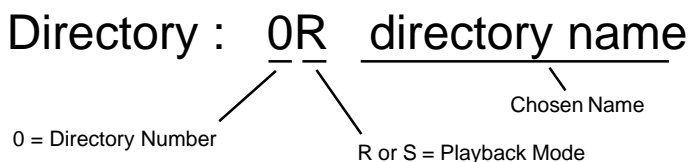
Directory GPS contains the files to be read on detection of GPS positions

### Directory 0x - broadcast on powering on

- 1st digit defines the directory number = 0
- 2nd digit is a letter which defines the playback mode of the directory
  - 0R: R for random mode (RND) - The WHOLE folder is read randomly
  - 0S: S for sort mode, i.e. playback in a defined order (SORT) - The WHOLE folder is read in a sequenced order

### Naming of the audio files included in the «0x» directory

- In random mode, naming of files is free. Only the extension is meaningful: name.mp3 for MP3 files or name.wav for WAVE files
- In sequential mode, i.e. in ordered playback mode, file names must include 3 figures to define the sequence number of the file. The 3 figures may or may not be followed by a chosen name. Example : «001 my song.mp3» or «001.mp3» or «001.wav» or «001 my song.wav»



Download complete manual from web site  
[www.id-al.com](http://www.id-al.com)

### Directory «GPS» - broadcast of audio files in relation to GPS positions - naming of files

File names are composed of 3 or 4 figures followed by a chosen name (optional) and the format extension (.MP3 or .WAV). The first 3 figures define the main file number used in the cross reference GPS table (see next chapter). For one given GPS position, it is possible to broadcast several audio messages (up to 10 files) ; a fourth meaningful digit is then added to the main file name to provide a broadcast sequence of the messages.

File : 0011 file name.mp3 (or .wav)

0 = Main file number - 001 to 999

0 to 9 = Sequence number if broadcast of a succession of files



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## Creation of the configuration file «gps.csv»

For the GeoPlayer to broadcast audio files associated to GPS positions, it is necessary to create a configuration file which is a cross reference table between the audio files and the GPS data. The table includes the following data: latitude and longitude of the position, tolerance around the point, main audio file number to be broadcast, broadcast mode and optional comments.

Any spreadsheet can be used to create this configuration file, Excel type or Open Office equivalent. An ID-AL assistant is also available for download from the [www.id-al.com](http://www.id-al.com) web site.

Example of table:

	A	B	C	D	E	F	G	H
1	Position N°	Dd Latitude	Dd Longitude	Tolerance (in m)	Mode	Audio File	Optional Comments	
2	1	47,13833	-1,680629	50	1	001	Start point	
3	2	47,142004	-1,6724	50	1	002	Monument 1	
4	3	47,142183	-1,667553	100	1	003	Town center statue	
5	4	47,192874	-1,570521	100	1	004	Town Hall	
6	5	47,198654	-1,561783	100	1	005	Monument 2	
7	6	47,19956	-1,56886	50	1	006	Arrival point	
8	7	47,201515	-1,572177	50	2	007	Danger : dead end	
9	8	47,206493	-1,564276	100	2	008	Forbidden area	
10	9	47,208277	-1,565915	50	3	009	Church	
11	10	47,210173	-1,568486	50	3	010	Tourist office	
12								
13								

Column A: Position number - maximum 150 points

Column B: Latitude in Degree/decimal format - Dd (use a dot, not a coma, as separator)

Column C: Longitude in Degree/decimal format - Dd (use a dot, not a coma, as separator)

Column D: Tolerance in meters (whole number, no decimal)

Column E: Trigger Mode 1 - Track / 2 - Alarm / 3 - Free tour

Column F: Main audio file number to be read (see chapter 4) - **3 digits mandatory** (text format)

Column G: Optional comments

After saving the completed table, export it a «csv» file. This format is a text format supported by most spreadsheet software. In the file menu, choose «save as» and select format «csv separated by semicolon (;)». Save this file under **gps.csv** and copy it at the root of the SD card. Do not change the name «gps.csv».

## Selecting the trigger mode

### ● 1 - Track Mode

Use this mode to trigger the various positions one after the other in a defined sequential order. Define the complete track and sequence of the selected positions. The player is only watching one point and will move to the next one once the current position has been triggered.

It is possible to broadcast different messages at the same position, for round trips or crossroads information for example.

### ● 2 - Alarm Mode

Use this mode when it is necessary to watch positions in no specific order and broadcast the associated audio files. The message will loop as long as the player stays in the GPS position, tolerance included. The Alarm mode has priority over the Track mode. Typical used to warn about a danger in a specific zone.

### ● 3 - Free tour Mode

Use this mode to broadcast messages during a tour without any pre-defined sequence order. All the positions are constantly watched. In this mode, it is not possible to broadcast different messages for a same position (round trip situation).

## Important notes to create the configuration file:

- Do not add any column - Do not modify their order
- Do not add any line - no extra header, no empty line nor additional line at the end of the table
- Latitudes and longitudes stated in degree/decimal format
- Do not include units of measure nor symbols (m, km, °, ', ...) ONLY values
- It is possible to indicate different trigger mode. The broadcast order is defined by the Track mode order (the 2 other modes have no order).
- The point number (column A) is only an indication and any figure can be used. **The sequence of broadcast is defined by the line number of the table.**