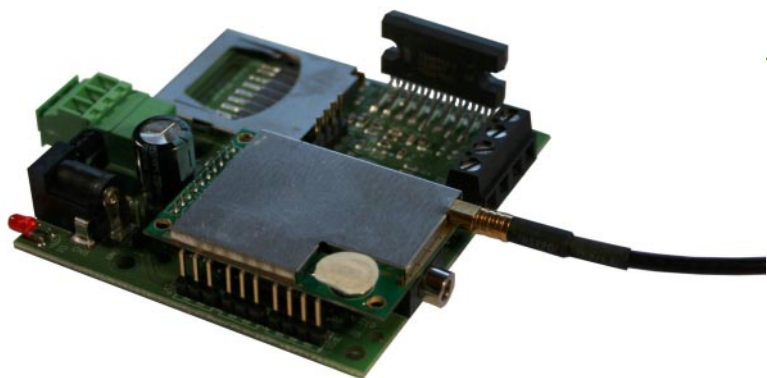


GeoPlayer - GPS audio player



Interactive Geo-positioning Audio

The OEM board GeoPlayer allows automated broadcast of audio files in relation to GPS positions transmitted by the integrated GPS receiver.

All data are stored in a SD card inserted in the GeoPlayer which is immediately ready to broadcast. The audio files are easily organized in the memory card using any file manager software.

The Geoplayer in-vehicle equipment offers a choice of three broadcast trigger modes to accommodate most applications and environments in busses, trains and boats.

Within the functionality of the player is the ability to play, if required, background music between audio files. These files are stored in the optional autoplay folder. A second folder includes the audio files to be played upon identified GPS positions. Finally, a correlation table provides cross reference data between Audio files and GPS coordinates.

The correlation table associates GPS locations, defined by latitude, longitude and tolerance, to the related audio commentaries. The table is simply generated using any spreadsheet tool or our dedicated software.

	A	B	C	D	E	F	G
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

Three trigger modes are available for each GPS position:

- **Track mode** for a pre-defined sequenced tour. The various positions are triggered one after the other in a sequential order. The player is only watching one point and will move to the next one once the current location has been triggered. In this mode, it is possible to broadcast different messages for the same position, for round trips or crossroads for instance.
- **Alarm mode** is used 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 location, tolerance included. The Alarm mode has priority over the Track mode. Typically used to warn about a danger in a specific area.
- **Free tour mode** is flexible to broadcast messages during a tour without any pre-defined order. All positions are constantly watched and audio files are played when the player enters the GPS location, tolerance included.




The GeoPlayer can easily be integrated in tourist vehicles such as coaches, trains or boats. Power supply is then provided by the vehicle's battery; when connected onto the cigar lighter, the Geoplayer can be set up as a portable device.

Suggestions

- Install the GeoPlayer in tourist vehicles to broadcast cultural information automatically.

Accessories

The following optional products are available to complement the player:

- Infrared remote control 
- Mounting bracket 
- Magnetic GPS antenna on MMCX connector cable length 5 m 

SPECIFICATION

- Reads the following file formats: Wave 16bits - 44.1kHz / MP3 from 112 to 320kbps.
- Storage of files on SD memory card
- One input on dry contact to force playback of next file in track mode.
- Audio output on mini-jack and on pin connector.
- Integrated amplifier 2x7w (@8Ohms/DC12V) on screw-in terminal block.
- Infrared sensor for external remote control to adjust volume level.
- GPS function - Reception norm NEMEA-0183 V3.01 - Protocole GPRMC up to 16 satellites Acquisition at 1Hz (1 per seconde) Module accuracy: 5m (CEP)
- 12V external power supply (voltage tolerance between 10 and 15V and reverse polarity protection).
- Dimensions: 70 x 80 x H18 mm.