



Interactive audio player - MP3 & Wave

The NanoPlayer is a very versatile OEM audio card, designed for integration in order to add audio to various devices, pieces of equipment, vehicles....

The NanoPlayer reads audio files, in Wave and MP3 formats, stored on SD memory card. Playback automatically starts on powering on and broadcast of specific files can be triggered on activation of the input contact or receipt of orders from the infrared remote control.

The audio files are transferred onto the memory card using any file manager software and organised in two directories. Files of the first directory are automatically played on powering on ; files of the second one are played on trigger of input or IR order. Meaningful digits inserted in directory names define playback mode: sort or random, priority file.

Autoplay: playback automatically starts on powering on (configurable).

Interactivity: one input on dry contact is available to trigger playback when activated, either on detection or on selection.

Low power mode: whilst in sleep mode, the player's consumption is very low thus offering long autonomy when powered on battery. The Nanoplayer is therefore suitable for outdoor applications using solar power supply.

Integrated amplifier: connect directly onto speakers or stereo line output.

GeoPlayer

Addition of a pluggable GPS extension module converts the NanoPlayer into a GeoPlayer.

The GPS facility allows interactive geo-positioning broadcast, i.e. automatic broadcast of associated audio files in relation to a GPS sensor inputs.

The utility software supplied is used to log the selected geographical co-ordinates and to associate each position to an audio file.

Audio files and positioning data are then copied onto the SD card ; the memory card is inserted in the GeoPlayer which is immediately ready to broadcast.

The GeoPlayer board 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

- Integrate the NanoPlayer into pieces of furniture to create musical items.
- Add the sound dimension to objects triggering broadcast on presence detection.
- For industrial applications, create an automated message box.
- Install audio information posts in gardens and parks. The low power mode allows solar energy power supply.
- Install the GeoPlayer in tourist vehicles for automated broadcast of information on identified points of interest. Audio files are triggered by GPS sensor input.

SPECIFICATION

- Reads the following file formats: Wave 16bits - 44.1kHz / MP3 from 112 to 320kbps.
- Storage of files on SD card formatted in FAT32.
- One input on dry contact for interactive playback of selected files.
- 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.
- 12V external power supply (voltage tolerance between 10 and 15V and reverse polarity protection).
- Volume setting on pin.
- Dimensions: 66 x 69 x H20 mm
Optional S/PDIF output.
- Optional GPS extension module.
- Dimensions: 66 x 69 x H20 mm.