Reality SYS ▷

Public areas, museums/exhibitions, PoS, stations, scenography, animatronic, public & industrial security, waiting rooms, tourism, leisure parks, Events, ...
bBox is a professional mp3 player dedicated to stand-alone interactive sound installations.

bBox

25W+25W   MP3 REPEATER

It very advantageously replaces a CD reader or audio Tape with their amplifier. Highly reliable, without any mechanical component, this system can diffuse stereo hi-fi music or messages,   24 hours a day, 7 days a week. bBox can be started simply by closing a contact, it is programmable via its buttons, and for more complex applications it also includes a communication port (RS-232/485).

It stores messages & sounds on a standard removable SD/MMC memory cards, easy to replace and as easy as a Floppy Disk to copy. In accordance with compression rate and memory card capacity, average messages total duration may be up to 64 hours (voice

quality and 1 GB memory card), but a 32MB memory card may already store up to 30 min. of Hi-Fi stereo quality (128kb/s). Over 200 messages may be reachable.

The bBox player/repeater includes a 2X25W stereo amplifier which help multipoint sound sources, one single device, one single power source. Moreover, the screw connectors allow fast cabling and easy installation. 1 or 2 speakers, a power source, and 1 bBox, you don't need more to add sounds to any areas, even for an information desk, shop window, CityTour bus/coach/train, touristic areas, indication tools, ...

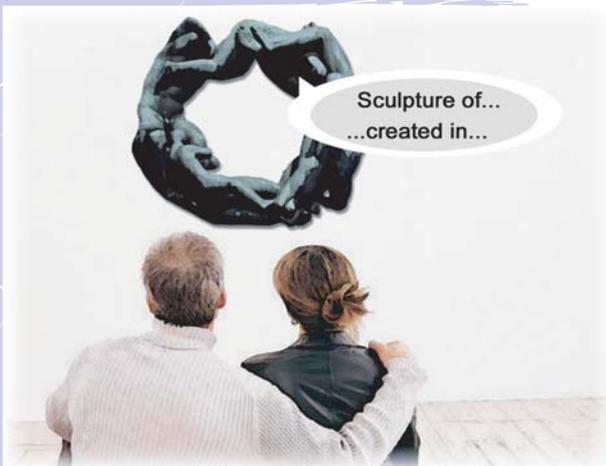RoHS COMPLIANT

Some characterístics of the bBox :

- ▶ Size : 90 x 70 x 60 mm   (3,55" x 2,76" x 2,36")
- ▶ Power source : 12V
- ▶ Up to 2 ohm, allows serial multi speakers.
- ▶ High power, thermal protection.
- ▶ Full protection of input/output against short-circuiting.
- ▶ Protection against polarity inversion.
- ▶ No starting noise.
- ▶ No mechanical parts.
- ▶ Risc Processor and mp3 DSP based technology
- ▶ Flash Memory cards : SD/MMC from 32 MB to 1 GB
- ▶ Available in TIGRAM compatible network version.
- ▶ Status LED
- ▶ RoHS compliant

... in a leisure or theme park

Go left...
More exciting rides...

- ▶ MP3 Compression : 32kb/s to 256kb/s + VBR
- ▶ Recording time duration upon compression rate (e.g. 64 hours of voice comments with a 1GB card).
- ▶ Play messages/HiFi music 24 hours a day, 7 days a week.
- ▶ Programmable: configuration and parameters stored into Flash memory.
- ▶ Up to 250 messages or audio tracks.
- ▶ Automatic start playing choosen track by contact closing.
- ▶ bBox can be remotely controlled via a Serial port (RS-232/485).
- ▶ Commands: Play, Next, Prev, Stop, Pause, Goto, Volume, infos, ... are usable thanks to a very simple protocol.

... in a museum

Sculpture of...
...created in...

Power and speaker wiring diagram

Power Supply 12VDC

6 5 4 3   2 1

On / Off

Vol-   Test   Vol+

MMC/SD card.

Z 4 3 1 2

Normally Open wining diagram

+ ● ● nc

Normally Closed mode with passive loop wiring diagram

+ ● ● ● nc ● ● –

PIR detector

Normally Closed mode with PIR wiring diagram

Z 4 3 1 2	1	2	3	4	Track being played
	0	0	0	0	No track
	1	0	0	0	Track 1
	0	1	0	0	Track 2
	1	1	0	0	Track 3
	0	0	1	0	Track 4
	1	1	1	1	Track 15

Controlling device

Binary controls for trigger