

Z-Brick (Br-ZBR)

Thirty-Two
Digital Outputs
&
DMX-512
Input and Output



The **Z-Brick** is a complete thirty-two digital output Show Control System. The **Z-Brick** runs stand-alone, or as a 'master' or a 'slave' on a DMX-512 network. When running stand-alone or as a DMX-512 'master', it is just like a big **Br-MiniBrick8**, with four times the outputs and virtually unlimited memory capacity. It accepts data through its RS-422 or DMX-512 ports for RealTime programming, and stores shows on standard Sd/SdHC flash cards.

To program the **Z-Brick**, you can draw the sequence you need on your computer using our free **Pc•MACs** software. For smaller shows, or by using the optional 'RealTime' license for shows larger than 16 channels (the equivalent of four Z-Bricks), you can program using your PC's mouse, keyboard and joystick. **Pc•MACs** will remember exactly what you do and precisely when you did it. When your shows are completed, they can be sent to the **Z-Brick** through the serial port, or you can drag-n-drop the completed files onto a standard Sd or SdHC flash card, and insert it in the front of the **Z-Brick**. The PC can then go away and the **Z-Brick** can run by itself.

Features of the Z-Brick include:

- The 32 digital (on/off) outputs are rated for 150 ma. continuous, or 500 ma. peak. These can drive small solenoid valves, relays, LEDs and similar devices. Outputs are protected against most short-circuits.
- Shows are stored on standard Sd/SdHC flash cards for a virtually unlimited capacity (up to 32 GBytes). The Sd card's 'Write Protect' switch can protect show data from accidental changes. Like all GilderGear, up to 255 shows can be loaded onto a **Z-Brick** at one time.
- The **Z-Brick** supports update rates from one frame per second to a maximum of 100 frames per second. Different shows can each be programmed at different frame rates.
- Networkable! Transmits a full 512 channel DMX-512 universe to act as a network 'master', or receives a full 512 channel DMX-512 universe to use as a 'slave'.
- Triggerable! Four optoisolated inputs or the RS-422 serial port can be used to start, stop, pause, continue, or access shows. Rising or falling edges can trigger different actions. Supports both random and sequential playlist commands.
- Fits any 'Brick' card cage. These are available with one to sixteen slots, rack mounted or freestanding.
- The **Z-Brick** runs on any voltage from 9 to 24 vdc.
- Fits any 'Brick' card cage. These are available with from one to sixteen slots, rack mounted or not.

