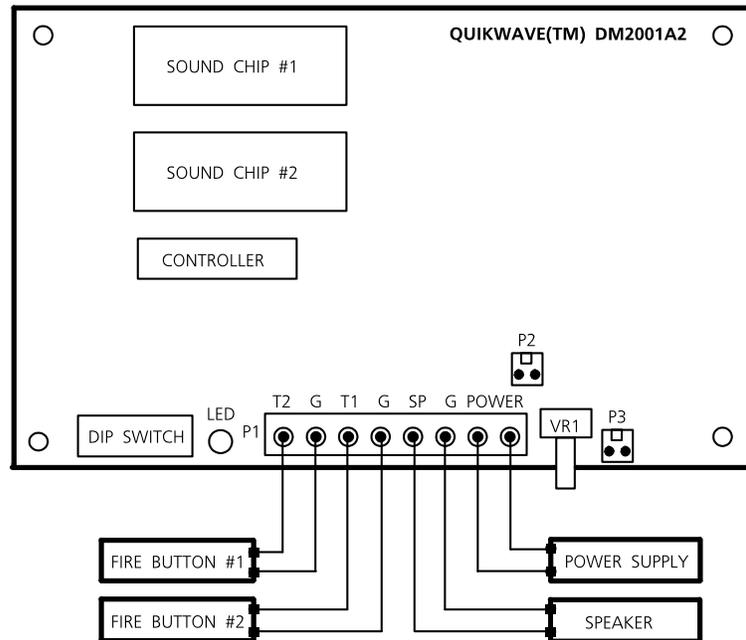


EM2001A User's Guide



The EM2001A is a highly reliable digital sound box designed for use in coin operated kiddie rides and other equipment where a continuous sound loop needs to be played.

The unit is usually powered along with the ride's motor by a coin activated timer (sold separately). When the timer is activated, it supplies power to the unit (and the motor) which automatically starts to play a pre-programmed sound loop continuously until the power is turned off by the timer.

Up to two fire buttons can be connected to the unit for activating short sound effects for ride participation. These fire buttons would make the ride more fun but are totally optional, which means the unit will work either with or without them.

The sounds are stored in a sound chip inside the unit. The sound chip is socketed and can be easily replaced in case the ride needs a new sound. In addition to the vast selection of sounds in our online sound library for you to choose from, we can also create custom sounds at extra costs.

DIP Switch Settings

Safety message

If enabled, a brief safety message will be played once when the ride starts. The safety message basically asks the parent not to leave the child unattended while riding the ride.

Enable = #1 ON, Disable = #1 OFF

All other switches are not used.

Power Light

The power light turns on when power is applied to the unit.

Fire Buttons

Up to two fire buttons can be connected to the unit via the T1 and the T2 inputs. Each fire button activates a different sound effect for ride participation.

Speaker

The unit comes with an internal speaker connected via the P2 connector. You may add an external speaker via the speaker terminals. For maximum output to the external speaker, disconnect the internal one.

Power Supply

Power is usually supplied from the timer which also controls the motor. The sound will automatically starts to play continuously for as long as power is supplied.

The unit can be ordered with different voltage options such as 110Vac (standard), 220Vac, 12Vac and 12Vdc. The power connections are polarity insensitive.

Volume Control

Turn pot VR1 clockwise to increase the volume. An optional, remote volume pot can be added via the P3 connector. In this case the two pots are connected in series.