

## SUNRISE *MARS INTERFACE* ADAPTER

This adapter connects the MARS models ME111 or MS111 coin validator to the Sunrise VIDEO & UNIVERSAL CREDIT BOARDS. The MARS generates a pulse on the coin output line appropriate for the coin inserted, the credit board registers and converts the coin pulse(s) and sends the desired number of credit pulses to the game board.

### Package Contents.

- 1 x *MARS INTERFACE* board
- 5 x jumper plugs
- 2 x screws M3 x 20mm.
- 2 x nuts M3.
- 2 x nylon spacers 12mm.
- 1 x *MARS INTERFACE* instruction sheet.

### Installation.

1. Plug the *MARS INTERFACE* adapter upside-down into the 2 x 10 pin sockets on the credit board.
2. Secure the two boards together with the screws and spacers provided. If the credit board assembly is to be fastened to the interior of a cabinet wall, use plastic mounting feet in place of the nuts.
3. Enable the desired coin channels by fitting the jumper plugs as shown. Note that 10 cents is not available with the older Mars MS111 model.



**ENABLED      DISABLED**

4. The interface connector corresponds pin for pin to the validator connector, including the two polarising keys. Connect the MS111 with a 13 pin plug straight-through harness (1 pin at each end of the adapter connector spare) or connect the ME111 with a 15 pin plug harness.
5. Follow the credit board instruction sheet for details of DIP switch price setting, and other credit board functions.

### Troubleshooting.

No game credit or wrong credits?

1. Use the SERVICE SWITCH function of the credit board to test the connection of the credit board to the game board. Each press of the service switch should result in one game credit. If not, check that the GAME BOARD has been set for 1 coin = 1 credit.
2. The coin meter registers in 10 cent increments. Use the coin meter to check that each coin denomination is registering correctly. If not, check that the desired channels have been enabled (see Installation paragraph 3 above), and check the harness.