

# Air interface

Product Manual



## Overview

The Air interface is one of the latest additions to Le Maitre's range of pyrotechnic devices, and as such represents the very latest in safety and technology.

## Unit Specification

Detonating Method	230v mains power, triggered by a High-energy 'low voltage', time slice capacitive discharge, with lock out, via the Prostage Six way.
Channel Switching	Mechanical individual switching with '0', '1' (OFF/ON) status indicators and illumination.
Isolation	Key switch disconnects Air Cannon energy source.
Output	Four insert, twist & lock Air Cannon quick connects.
Firing Capabilities	The Air Interface is capable of detonating four Air Cannons at any one time. This can be one in each channel, or four linked in series (using the output socket on the rear of the Air Cannon) on one channel.
Supply Power	230V a.c. 10A 50Hz

## Operating Procedure

The testing of Airtechnic effects should be viewed as a possible detonation. Therefore all clearance and safety zoning is applicable at such times.

All channels should be up in the off position, i.e. '0' position (unlit) with the unit in the unarmed position and the key removed from the key switch.

Connect lead from the Prostage Six way 'Air Interface Out' socket, to the 'Air Interface In' socket.

Connect Air Cannon mains plugs to the Air Interface channel sockets. Ensure the plugs are inserted and then twisted fully, such that they lock into position.

Activate 'Mains On' switch (will illuminate when selected), select channel switch (will illuminate when selected).

Insert key into 'Arm' switch and activate. The key cannot be removed until the unit is disarmed. The unit will detonate selected Air Cannons when the 'Air Channel' switch on the Prostage Six way is activated and fired.

All wiring should be checked before use for damage or loose connections.

When all Air Cannons and system wiring has been verified as correct, the Air Interface should be securely disarmed, by removing the 'Arm' key and deactivating the 'Mains On' switch.

Detonating any sequence is an identical operation to testing, except that the FIRE button (on the Prostage Six way) will be used to perform effect ignition. All channels should be returned to their OFF position after firing to prevent possible corruption of the next detonation. With the unit armed via the key switch, the test facility will work as before, but the test button will not be required to be pushed for the test led to illuminate.

The FIRE button must be released after ignitions, to enable further selections to be fired. Ignitions cannot be made by just holding the fire button down and making selections.

**Safety is of the utmost importance** in all aspects of pyrotechnic displays and is above all else. If in doubt - DON'T!

All persons involved within any pyrotechnic display should be aware of all safety zones.

**Do not** use pyrotechnic products other than Le Maitre products with this device.

At no time should any effect be loaded into a cabled system, without having first removed the Arming Key, isolating the output connectors.

A proper risk assessment must be written before each display.

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