Contest ®

| DMX OUT | 4 - CH - 16 | DC IN 12V | Power On/Off |

PARPILOT

Contest ®

DIMMER
- 100%
- 75%
- 50%

FADE TIME
- Slow
- Quick

SPEED/SOUND
Sound

TAP

Up ▲ PATTERN

▲ Up COLOR

MODE — Color

B/O — BLACK-OUT

STROBE — On

PARPILOT

USER GUIDE

9658 - July 2010 Version 1.0

1 - Safety instructions

Important safety information

This unit is intended for indoor use only. Do not use it in a wet, or extremely cold/hot locations. Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to this product or other property.

This product contains non-isolated electrical components. Do not undertake any maintenance operation when it is switched on as it may result in electric shock.

Any maintenance procedure must be performed by a CONTEST authorised technical service. Basic cleaning operations must thoroughly follow our safety instructions.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING : This unit contains no user-serviceable parts. Do not open the housing or attempt any maintenance by yourself. In the unlikely even your unit may require service, please contact your nearest dealer.
In order to avoid any electrical malfunction, please do not use any multi-socket, power cord extension or connecting system without making sure they are perfectly isolated and present no defect.

Risk of electrocution
To prevent the hazard of electric shocks, do not use extension cords, multi-socket or any other connection system without making sure metal parts completely are out of reach.

Recycling your device
• As HITMUSIC is really involved in the environmental cause, we only commercialise clean, ROHS compliant products.
• When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

Symbols used

This symbol signals an important safety precaution.

IMPORTANT

The CAUTION symbol signals a risk of product deterioration.

CAUTION

The WARNING symbol signals a risk to the user's physical integrity. The product may also be damaged.

WARNING

Instructions and recommendations

1 - Please read carefully :
We strongly recommend to read carefully and understand the safety instructions before attempting to operate this unit.

2 - Please keep this manual :
We strongly recommend to keep this manual with the unit for future reference.

3 - Operate carefully this product :
We strongly recommend to take into consideration every safety instruction.

4 - Follow the instructions:
Please carefully follow each safety instruction to avoid any physical harm or property damage.

5 - Avoid water and wet locations :
Do not use this product in rain, or near washbasins or other wet locations.

6 - Installation :
We strongly encourage you to only use a fixation system or support recommended by the manufacturer or supplied with this product. Carefully follow the installation instructions and use the adequate tools.
Always ensure this unit is firmly fixed to avoid vibration and slipping while operating as it may result in physical injury.

7 - Ceiling or wall installation :
Please contact your local dealer before attempting any ceiling or wall installation.

8 - Ventilation :
The cooling vents ensure a safe use of this product, and avoid any overheating risk.
Do not obstruct or cover these vents as it may result in overheating and potential physical injury or product damage. This product should never been operated in a closed non-ventilated area such as a flight case or a rack, unless cooling vents are provided for the purpose .

9 - Heat exposure :
Sustained contact or proximity with warm surfaces may cause overheating and product damages. Please keep this product away from any heat source such as a heaters, amplifiers, hot plates, etc...

10 - Electric power supply :
This product can only be operated according to a very specific voltage. These information are specified on the label located at the rear of the product.

11 - Power cords protection:
Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at lugs, convenience receptacles and the point where they exit from the fixture.

12 - Cleaning precautions :
Unplug the product before attempting any cleaning operation. This product should be cleaned only with accessories recommended by the manufacturer. Use a damp cloth to clean the surface. Do not wash this product.

13 - Long periods of non use :
Disconnect the unit's main power during long periods of non use.

14 - Liquids or objects penetration :
Do not let any object penetrate this product as it may result in electric shock or fire.
Never spill any liquid on this product as it may infiltrate the electronic components and result in electric shock or fire.

15 - This product should be serviced when :
Please contact the qualified service personnel if :
- The power cord or the plug has been damaged.
- Objects have fallen or liquid has been spilled into the appliance.
- The appliance has been exposed to rain or water.
- The product does not appear to operate normally.
- The product has been damaged.

16 - Inspection/maintenance :
Please do not attempt any inspection or maintenance by yourself. Refer all servicing to qualified personnel.

17 - Operating environment :
Ambient temperature and humidity: +5 - +35°C, relative humidity must be less than 85% (when cooling vents are not obstructed).
Do not operate this product in a non-ventilated, very humid or warm place.

2 - Introduction

Thank you for purchasing the PARPILOT.
You are now in possession of a high-quality, intelligent product which will meet your every need.
Your PARPILOT is a simplified DMX controller dedicated to some LED projectors.
Its unique ease of use and quick access to a vast colour palette and many functions make it perfect for any LED lighting.
This user guide will help you become familiar with the many functions and possibilities of your PARPILOT.
Please keep it within reach during the first uses.

3 - Description and installation

Your PARPILOT is a simplified DMX controller dedicated to some CONTEST® projectors.
Please refer to the chapter «Compatible products» or visit our website www.contest-lighting.com/en/ to find out if your projectors are compatible with this controller.

3.1 - Technical specifications

- Power supply: 85-240V AC Adapter / 50-60Hz -> 12V DC / 100 mA
- Protocol: DMX 512
- Dimensions: 70 x 110 x 33 cm
- Weight: 0.31 Kg

3.2 - Connections
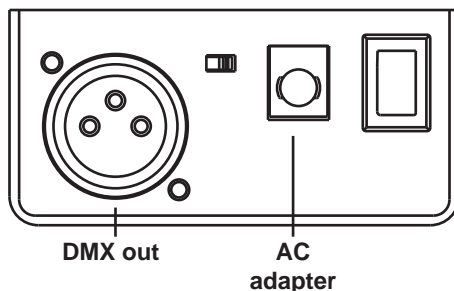
DMX out   **AC adapter**

Connect the DMX out socket to your projector via a standard DMX cable.
Connect the supplied AC adapter to the DC input socket. The adapter must not be connected to an electrical outlet during this process.
Once connected to your PARPILOT, connect the AC adapter to an electrical outlet.

3.3 - DMX channels assignation

Your PARPILOT can function with 4 or 16 channels as follows:

Channel 1	Channel 2	Channel 3	Channel 4	
Red from 0 - 255	Green from 0 - 255	Blue from 0 - 255	0 to 189	Dimmer
			189 to 250	Strobe
			251 to 255	Full On

In 16-channel mode, each projector operates independently and uses 4 channels, for a total of 16 channels.

PARPILOT - DMX Controller for CONTEST® PAR projectors

English

3.4 - Description
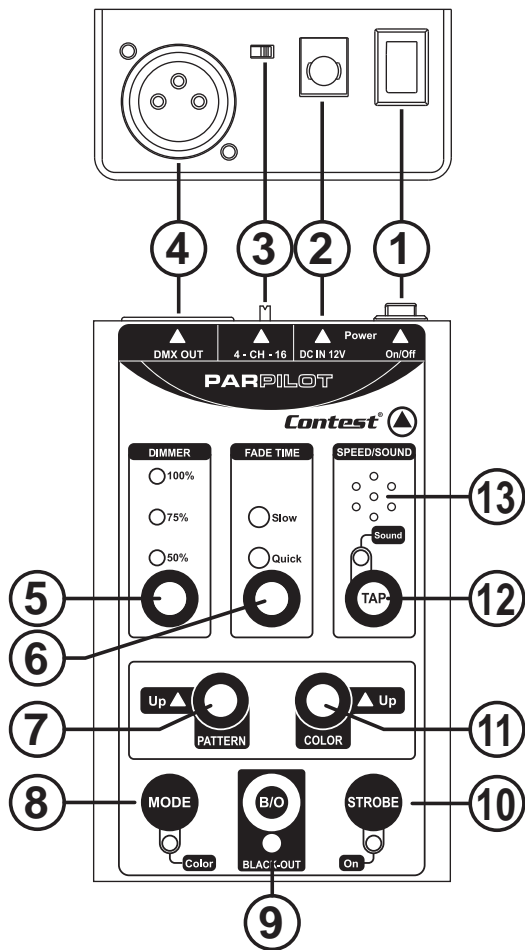
1 - Power switch
2 - DC Input
Connect the supplied adapter here.
This socket features a safety system to prevent any unintentional disconnection. Insert your plug and make a quarter turn to lock it.
3 - Channels number selector
This device can control 4 or 16 channels.
Please refer to the previous paragraph for more information about this.
4 - DMX output
Connect here a 3-pin XLR-XLR cable.
5 - DIMMER Button
Allows you to adjust the output: 3 levels : 50, 75 and 100%.
6 - FADE TIME Button
Allows you to configure transitions between preset patterns.
7 - PATTERN Button
Allows you to select patterns.
8 - MODE Button
Allows you to switch between PATTERN mode and COLOR mode.
9 - BLACK-OUT Button
Allows you to turn off the light output of your projectors.
10 - STROBE Button
Activates the stroboscope mode.
11 - COLOR Button
Allows you to select colours.
12 - TAP Button
Allows you to define the sequencing speed or activate the music-sensitive mode.
13 - Microphone
Allows you to synchronise preset patterns with the tempo.

3.5 - Installation

The PARPILOT was designed to be operated horizontally when not fixed on structures.
Please make sure the controller does not endure any force or vibration when being used in order to prevent it from falling.

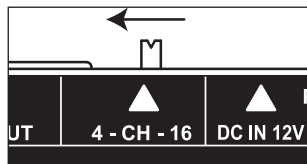## 4 - Choosing the number of drived channels and addressing of devices

The PARPILOT can control 4 or 16 channels.

A - 4-channel mode:
  Move the switch (3) towards the left.
In this mode, your PARPILOT controls:
- Red levels via channel **1**
- Green levels via channel **2**
- Blue levels via channel **3**
- Dimmer and strobe via channel **4**

NOTE : In this mode, the devices connected to your PARPILOT must be addressed in 1 and will all answer to the same commands.

B - 16-channel mode:
  Move the switch (3) towards the right.
  In this mode, your PARPILOT controls 4 x 4 channels:
- Red levels via channels **1**, **5**, **9** and **13**
- Green levels via channels **2**, **6**, **10** and **14**
- Blue levels via channels **3**, **7**, **11** and **15**
- Dimmer and strobe via channels **4**, **8**, **12** and **16**
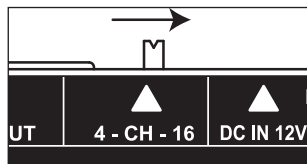
NOTE : In this mode, the devices connected to your PARPILOT must be addressed in 1, 5, 9 and 13 and operate independently in PATTERN mode.

5 - Operation

A - BLACK-OUT (B/O):
All projectors are turned off. When pressing the BLACK-OUT button (9), all modes will be deactivated (STROBE, COLOR/PATTERN) but will not be reinitialised, as only light output are zeroed. Your PARPILOT will keep launching sequences. By pressing BLACK-OUT (9) again, the light output of your projectors will be reactivated and they will start playing the current sequences or patterns.

B - Stroboscope (STROBE):
When pressing the STROBE button (10), all projectors will flash white at the rate of 16 flashes per second.
The strobe mode overrides any over mode except the BLACK-OUT mode, however, as the latter, it does not reset current settings. The DIMMER affects the Stroboscope but its changes will not be saved: the DIMMER will go back to its initial parameters once the stroboscope has been deactivated.

C - PATTERN/COLOR mode:
Your PARPILOT automatically switches to PATTERN or COLOR mode when the Black-out and Stroboscope mode are not activated, depending on the choice made via the MODE button (8) and indicated by the Color LED.

  C-1 - In PATTERN mode, your PARPILOT send patterns which can be comined to a colour. The pattern selection can be made via the PATTERN button (11) - 10 different patterns) while the colour selection can be done via the COLOR button (11) (11 different colours). The light output can be adjusted via the DIMMER button (5) - 3 different levels. The sequencing speed can be configured by following these steps:

1 - TAP TEMPO (12): This button allows you to configure the sequencing speed. Press this button 4 times in a row, making sure there is no more than 1 second between each pressure. The sequencing speed will match the intervals between each pressure on this button.

Note : If the interval between 2 pressures is longer than 1 second, the PARPILOT will switch to music-sensitive mode.

2 - SOUND mode: As described above, press the TAP TEMPO button at least twice, making sure there is more than 1 second between each pressure to activate the music-sensitive (SOUND) mode. Your PARPILOT will automatically synchronise with music via its internal microphone located above the TAP TEMPO button.

The transitions speed can be configured via the FADE TIME button. The transitions are either direct (Quick) or last half the amount of time determined by the TAP TEMPO button (Slow). The transition mode is indicated by the corresponding LEDs.

C-2 - In COLOR mode, your PARPILOT sends a fixed pattern. Use the COLOR button (11) to determine the colour or combination of colours. The main output level can be adjusted via the DIMMER button.

Speed and fade time are deactivated in COLOR mode. However, they still can be configured, their settings will be saved and taken into account when leaving COLOR mode.

When switching from COLOR mode to PATTERN mode (and vice versa), patterns selections, colour and fade time settings will be saved.

D - Power-up behaviour:

When powering up the PARPILOT, its settings will be reinitialised as follows:

Black-Out	ON
Stroboscope	OFF
Operating mode	PATTERN
Dimmer	100%
Fade Time	QUICK
Pattern	00
Colour	00

6 - Compatible products

Go on www.contest-lighting.com/en/ to find the list of CONTEST products compatible with your controller.

However, it is possible that your controller might be compatible with different projectors sharing the same DMX characteristics than CONTEST-certified projectors.

Please note that having the same characteristics as Contest products does not guarantee full compatibility with your controller.

7 - Maintenance

This unit does not require any maintenance procedure. In the event of failure, do not perform maintenance procedures by yourself, bring your PARPILOT back to your retailer in order for qualified technicians to repair it.