ArcControl 1

version 1.2

ArcControl 1

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1. Introduction

The ArcControl 1 is the perfect solution to provide the user control of installed Anolis LED light fittings.This slim line LED control panel allows to dim LED light fixtures, set desired colours and run built-in programs.
The ArcControl 1 should be installed with Anolis ArcPower driver(s).

2. Installation

2.1 Mounting

The ArcControl 1 control panel is designed for wall mounting into KU 68 universal box.

To install the ArcControl 1:
1. Prepare the wall by drilling the necessary holes, fitting the KU 68 universal box and cables.
2. Attach the DMX output and power wires to the terminal blocks, being careful to observe the correct polarity.
3. Screw the metal frame+plastic frame to the KU 68 universal box.
4. Snap the ArcSource 1 panel to the plastic frame.

ArcControl 1

Screws

Metal frame

Plastic frame

Universal box KU 68
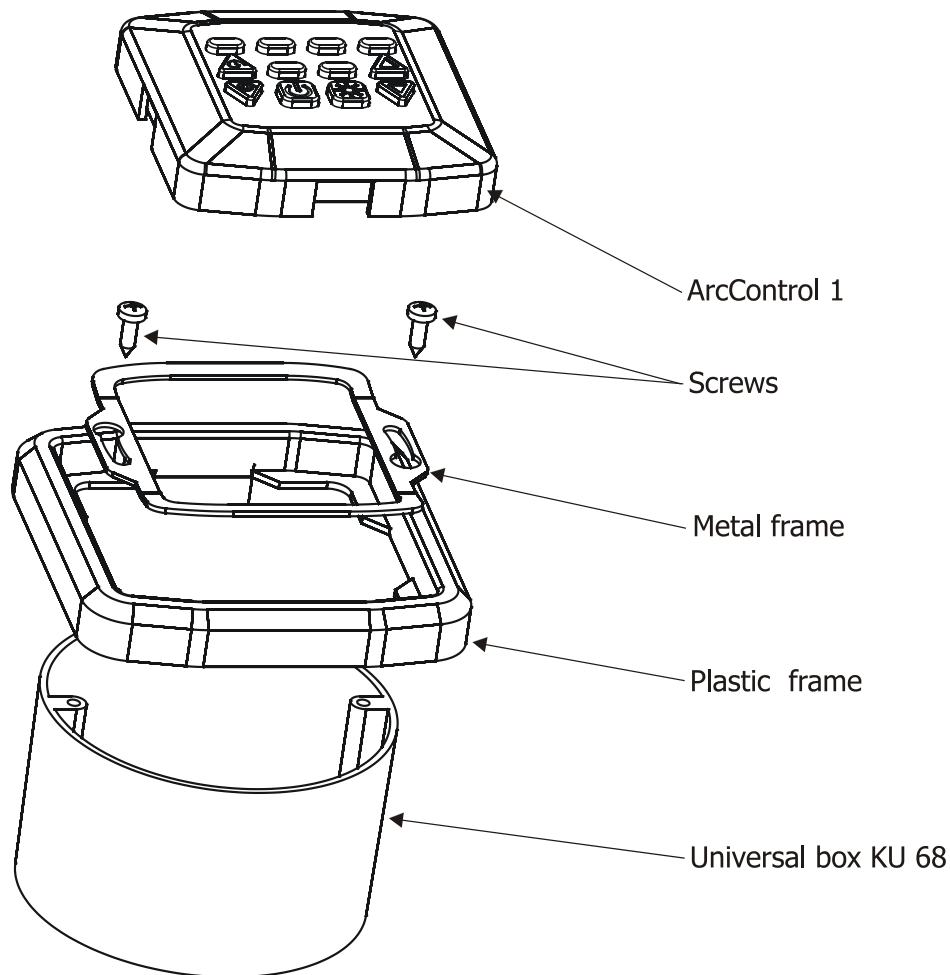
2.2 Wiring

Figure below shows the DMX output terminals (P1) on the unit and two supply terminals SV1, SV2 . The input SV1 (or SV2) has to be connected to a 12 V DC supply.

<u>Connectors</u>

DMX and supply wires are connected to the self-locking terminals PHOENIX located on the PCB of the ArcControl 1. Insert each wire directly to the circular hole of the terminal and check its fixation. To release the wire, insert appropriate tool (narrow flat tip screwdriver) to small rectangle terminal hole and the wire will be released.

2.3 Single installation with the ArcPower drivers

The ArcPower drivers offer +12 V at DMX input connector (pin 2) which can be used for supply of the ArcControl 1unit.

RJ45 socket for DMX IN
(Front view of the socket)
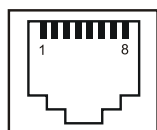
Pin 1: Not connected	**Pin 5:** Not connected
Pin 2: +12V	**Pin 6:** Data +
Pin 3: Not connected	**Pin 7:** Data -
Pin 4: Not connected	**Pin 8:** GND

Owing to this feature, you can use only one cable for DMX connection and power supply. Use a suitable cable with 2 twisted-pair of conductors and connect pins 2, 6, 7, 8 of DMX input of the ArcPower driver.
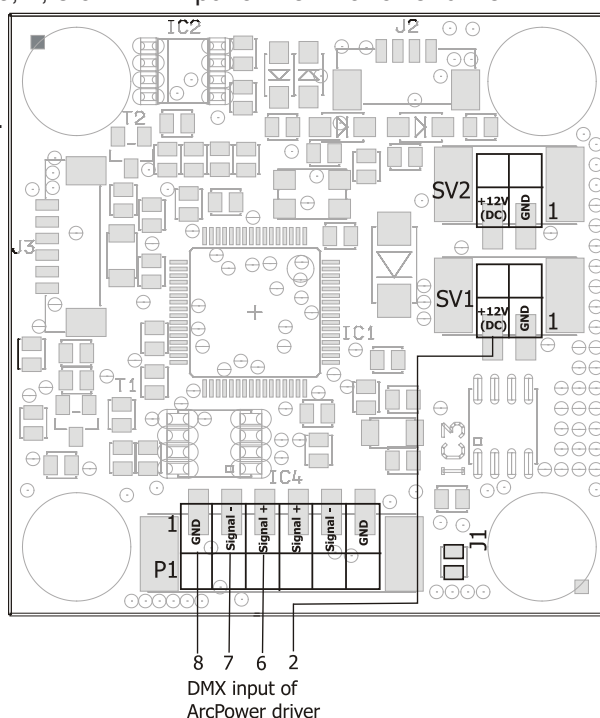
ArcPower driver setting:

1. Set ArcPower driver to **DMX address=1**. If you use two or more drivers, set all DMX addresses at 1.
Note: If you use single colour LED fittings, set ArcPower SmartWhite driver DMX address at 5.

2. Set RGB or RGBW mode along according to used LED fittings. See DMX chart of respective ArcPower driver. Usually it is mode 1 and 2. (AP driver menu path: $SPE \rightarrow dNP$).

3.Set **Dynet mode** in the menu"Protocol". (AP driver menu path: $SPE \rightarrow Prt \rightarrow dYn$).

Note: GND terminals interconnected on PCB (printed circuit board).
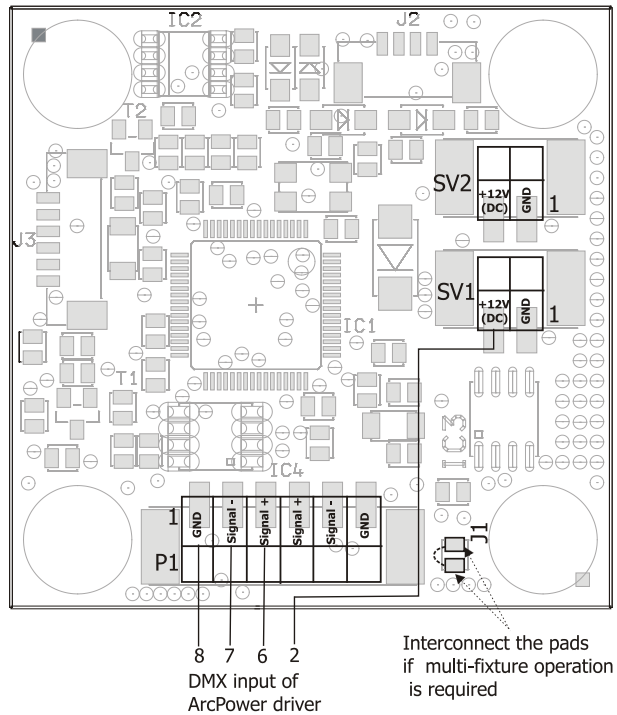

8 7 6 2
DMX input of
ArcPower driver
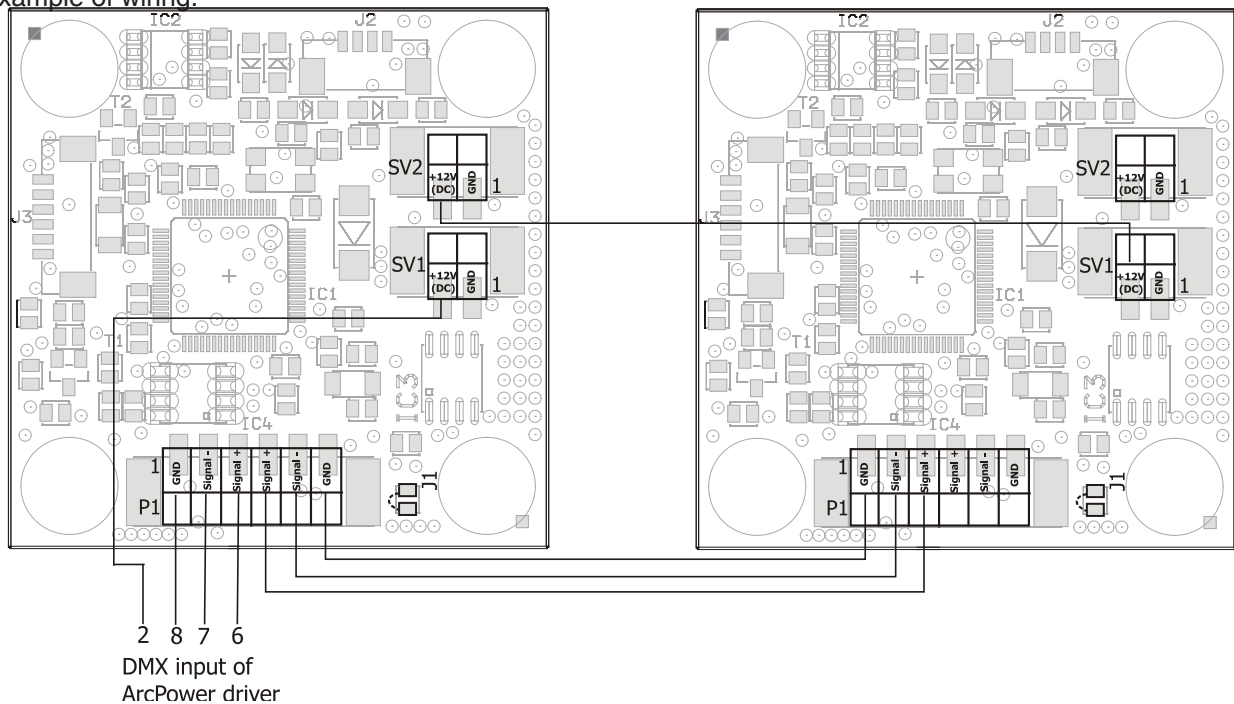
2.4 Multiple installation with the ArcPower drivers

If you need to control the ArcPower driver (s) from several places simultaneously, you can use more ArcControl´s 1 connected in parallel.
In this case, the following changes has to be made .

1. ArcCotrol 1: two pads marked **J1** must be interconnected .

2. ArcPower driver: Set **dynet mode** in the menu "Protocol".
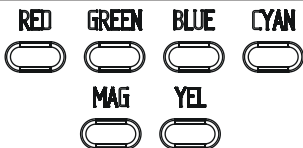(AP driver menu path: $SPE \rightarrow Prt \rightarrow dYn$).

8 7 6 2
DMX input of
ArcPower driver

Interconnect the pads
if multi-fixture operation
is required

Example of wiring:

2 8 7 6
DMX input of
ArcPower driver

3. Operation

The ArcControl 1 uses 12 control buttons for setting desired colour, dimmer level and program selection.

Description of function of each button

| Button	ArcControl 1 = ON	ArcControl 1 = OFF
RED GREEN BLUE CYAN MAG YEL	Switches to desired colour *Note:Adjusted dimmer level is kept*	Turns on desired colour *Note:Adjusted dimmer level is k*ept
WHITE	Switches to white colour *Note: Dimmer level = maximum*	Turns on white colour *Note: Dimmer level = maximum*
INT	Dimmer up Dimmer down	Switches to last state Switches to last state *Note: Dimmer= minimum (both buttons)*
PROG	Program running (slow)- colour changing Red-->Green-->Blue Program running (fast)- colour changing Red-->Blue-->Green	Program running (slow)- colour changing Red-->Green-->Blue Program running (fast)- colour changing Red-->Blue-->Green
ON/OFF	Switches OFF the ArcControl 1	Switches ON the ArcControl 1 (to the last colour)

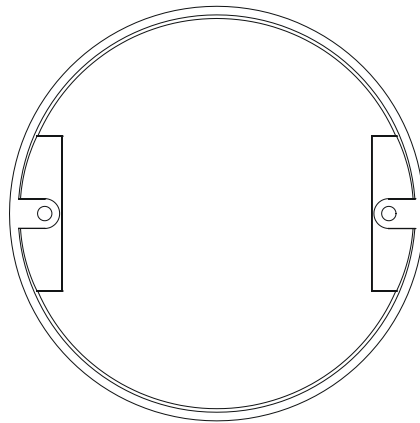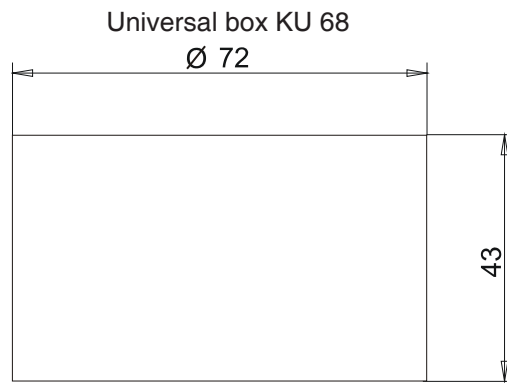# 4. Technical Specifications

 Input voltage: 12VDC.
 Input current: 15mA
Compatible drivers: ArcPower 36/ArcPower 72/ArcPower 144/ArcPower 360 (and their K2 variants);
                ArcPower 48
 Dimensions:

ArcControl 1

18.4

80.5

80.5

Universal box KU 68

Ø 72

43
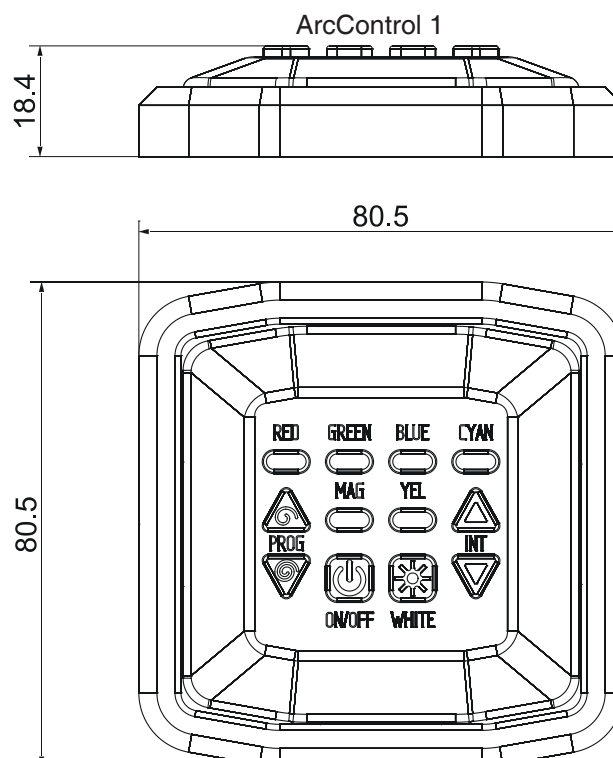
Included items
    1 x ArcControl 1
    1 x Universal box KU 68 + accessories
    1 x User manual

Specifications are subject to change without notice.
August 17, 2016