

# 32w Max | Bluetooth Mesh 2CH DC-DC Converter

Model: D-BV9-12-18-24-DS0



## Features

- Simple to Install
- Dimming to 0.001%
- 2 channel - double static or tunable white or single static
- Programmable current output. Soft ON/OFF
- Wireless 2.4 GHz Bluetooth mesh connection
- Use for 2W up to 16W light fixtures
- No buzzing- no flickering

## Specifications

- **Input Voltage** - 20-25 VDC
- **Efficiency @full load** - 75%
- **Output Current** - 0.02mA-700mA
- **Overshoot current** - <0.1%
- **DC Output Voltage** - 18VDC
- **Rated Power** - 13W
- **Rated current range:** 100-700mAh (can be adjustable with the BubblyNet app)
- **Operating Temperature** - 13° to 140°F (-25° to 60°C)
- **Dimensions** - 2.56" x 1" dia (65mm x 25mm dia)
- **Net weight-** 14.2g

## Description

The **D-BV9-12-18-24-DS0** is the ideal solution for a class 2 constant voltage dimming solution. With just one 96 Watts not dimmable PSU is possible to connect up to 42 **D-BV9-12-18-24-DS0** and individually address the 42 static or tunable white light fixtures.

## Operation

The **D-BV9-12-18-24-DS0** needs to receive a constant voltage 24VDC input and can be connected to any 18V constant current light fixtures, static or tunable white. This converter can be controlled by the Bubblynet app or once in a network can work with scenes, sensors, switches or touchscreens panels.

## Installation

This product is a class 2 low voltage converter. It doesn't required to be enclosed in a metal box or junction box.

## Certifications



## Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:

<u>Outdoor (line of sight):</u>	200ft
<u>Indoor (through building material):</u>	
Glass:	100ft
Drywall:	70ft
Cinderblock:	60ft
Brick:	50ft
Concrete + rebar	0ft

For design purposes a 60ft. maximum distance is appropriate for most installations.

