VISUAL PRODUCTIONS

ENCOLOR T10 MANUAL

© VISUAL PRODUCTIONS BV

©2024 Visual Productions BV. All rights reserved.

No parts of this work may be reproduced in any form or by any means - graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems - without the written permission of the publisher.

While every precaution has been taken in the preparation of this document, the publisher and the author assume no responsibility for errors or omissions, or for damages resulting from the use of information contained in this document or from the use of programs and source code that may accompany it. In no event shall the publisher and the author be liable for any loss of profit or any other commercial damage caused or alleged to have been caused directly or indirectly by this document.

Due to the dynamic nature of product design, the information contained in this document is subject to change without notice. Revisions of this information or new editions may be issued to incorporate such changes.

Products that are referred to in this document may be either trademarks and/or registered trademarks of the respective owners. The publisher and the author make no claim to these trademarks.

EU Declaration of Conformity

We, manufacturer Visual Productions BV, herby declare under sole responsibility, that the following device:

Encolor T10

Conforms to the following EC Directives, including all amendments:
EMC Directive 2014/30/EU

And the following harmonized standards have been applied:
NEN-EN-IEC 61000-6-1:2019

The object of the declaration is in conformity with the relevant Union harmonisation Legislation.

Full name and identification of the person responsible for product quality and accordance with standards on behalf of the manufacturer

Date:
June 3rd, 2024

Place:
Haarlem, The Netherlands

ing. Maarten Engels
Managing Director
Visual Productions BV

VISUAL PRODUCTIONS BV
IZAAK ENSCHEDEWEG 38A
NL-2031CR HAARLEM
THE NETHERLANDS
TEL +31 (0)23 551 20 30
WWW.VISUALPRODUCTIONS.NL
INFO@VISUALPRODUCTIONS.NL
ABN-AMRO BANK 53.22.22.261
BIC ABNANL2A
IBAN NL18ABNA0532222261
VAT NL851328477B01
COC 54497795

Revision History

Revision	Date	Author(s)	Description
1	29.11.2025	FL	Initial version

Contents

1 Introduction **6**

2 Configuration and installation **9**

3 Operation **12**

Chapter 1

Introduction

Thank you for choosing the *Encolor T10*. The Encolor T10 is a wall mount interface designed for directly controlling RGB, RGBW, CT or intensity-only DMX lighting fixtures. It does that through an easy to use soft-touch surface with haptic feedback.

An ideal solution for a stand-alone DMX installation of a single DMX-512 group, as the Encolor T10 takes care of the daily control of the light fixtures.

Figure 1.1: Encolor T10

This manual discusses installing and configuration of the unit, as well as how to control the lights in different scenarios.

The *Encolor T10* needs to know which type of fixtures are connected to the DMX port. One type of fixture can be in use at any one time. Entering this

data is called patching and this is discussed in chapter 2.1.

Chapter 3 discusses how to operate the device. Including saving and recalling your favourite light setting.

1.1 Compliance

This device is in compliance with CE, UKCA and ROHS regulations.

1.2 Features

The feature set of the Encolor T10 includes:

- Touch interface with haptic feedback
- 4 channel DMX output
- DIP switch configuration for 8 different lighting personalities
- Controls Intensity, RGB, Cold and Warm white
- DMX-512 (ANSI E1.11) optically isolated output port
- 9 - 24V DC input power at 500mA
- Operates between -20º and +50ºC (-4º to 122ºF)

The DMX implemented in the Encolor T10 allows you to make a static light setting, alter that setting, and save and restore it as a favourite.

1.3 What's in the box?

The Encolor T10 packaging contains the following items (see figure 1.2):

- The Encolor T10, including backplate
- Powersupply with terminal connectors
- Info card

Figure 1.2: In the box

Figure 1.3: *Encolor T10* dimensions

1.4 Dimensions

The unit measures 140x100x13mm (140x100x26mm including the terminal connector).

1.5 Further Help

If, after reading this manual, you have further questions then please consult the online forum at `https://forum.visualproductions.nl` for more technical support. Or scan the QR code on the back of the Encolor T10 for quick online access to reference information.

Chapter 2

Configuration and installation

2.1 Configuration

In order for the Encolor T10 to know which DMX channel to use for which trait, it is needed to set one of the 8 preconfigured 'personalities'. In the table below, you can match your situation to the correct DIP switch setting on the back of the unit.

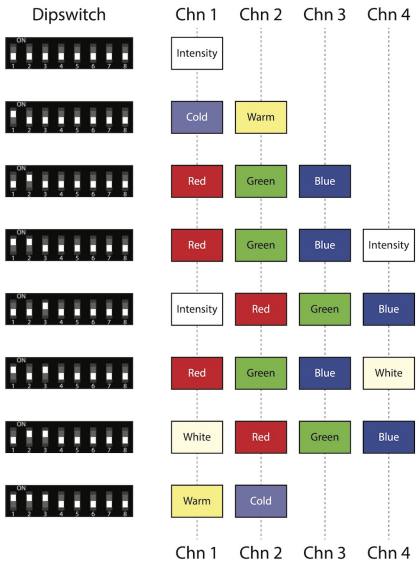

Figure 2.1: Personalities and their DIP switch settings

2.2 Installation

2.2.1 Power

The Encolor T10 requires a DC power supply unit (PSU) between 9 and 24 Volt with a minimum of 500mA. The DC connector is a two-pin screw terminal. Supplied is a 12VDC PSU with attached terminal connector on the 12V side. Be advised that the connector for mains power will have to be supplied by the customer. The PSU is rated for 100-240VAC input.

Figure 2.2: Power Supply Unit

2.2.2 DMX

The DMX cable is connected to the Encolor T10 via the free slots on the screw terminal that is already connected to the power supply. The correct wiring is also noted on the circuit board. See figure 2.3 for the terminal connector on the Encolor T10.

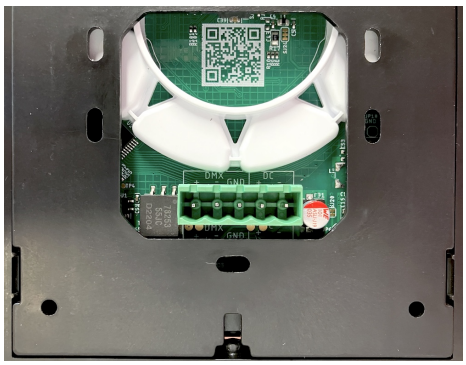

Figure 2.3: Terminal connector, seen through the backplate

2.2.3 Mounting

The Encolor T10 is wall mounted. The unit fits directly on standard flush mounted gang boxes. See figure 2.4. Mount the backplate to the gang box or wall with four screws (not supplied). Make sure to take note of the correct orientation of the backplate. Make sure power and DMX cabling are in place in the gang box, and correctly attached to the supplied screw terminal. On the inside of the backplate you will find a screw to secure the Encolor T10 to the backplate. Connect the terminal to its counterpart on the back of the Encolor T10, and push the push the unit gently over the backplate until it clicks in place. Then fasten the unit by using the screw in the downward facing side of the enclosure.

Figure 2.4: Wall mounting the Encolor T10

Chapter 3

Operation

How to choose your lighting, and store and recall a favourite.
The interface changes automatically, depending on the personality set with the DIP switches. Not all components are always available, apart from intensity and the storing and recalling of the favourite. This availability depends on the chosen personality. For example: When set to personality 1, Intensity, then Colour and Colour Temperature can not be set or altered.
The main components, are:

- Intensity
- Colour
- Colour temperature
- Saturation
- Favourite store and recall

3.1 Intensity

To control intensity, touch the intensity icon (fig. 3.1). The Encolor T10 will show a gradient of white light around the control wheel, which is now set to change the intensity.

Figure 3.1: Intensity

3.2 Colour

To control Colour, touch the colour icon. The Encolor T10 will show a ring of coloured light around the control wheel, which is now set to change the colour.

Figure 3.2: Colour

3.3 Colour Temperature

To control Colour Temperature, tap the colour icon until you see the Encolor T10 show a ring of cold to warm light around the control wheel. fig. 3.3 The wheel is now set to control the Colour Temperature.

Figure 3.3: Colour Temperature

3.4 Colour Saturation

To control Saturation, tap the colour icon until you see the Encolor T10 show a ring of chosen colour to white light around the control wheel. fig. 3.4 The wheel is now set to control the Colour Saturation.

Figure 3.4: Colour Saturation

3.5 Favourite, store and recall

The Encolor T10 can store the current setting to a favourite, to be recalled at a later moment. When the Star icon is touched and held for about 2 seconds, the setting is stored in its memory. The haptic feedback will confirm the action by pulsing twice in short succession.
To recall, all you need is a short press on the icon. This results in the change of the lights, and a short pulse in the panel as confirmation.

Figure 3.5: Favourite