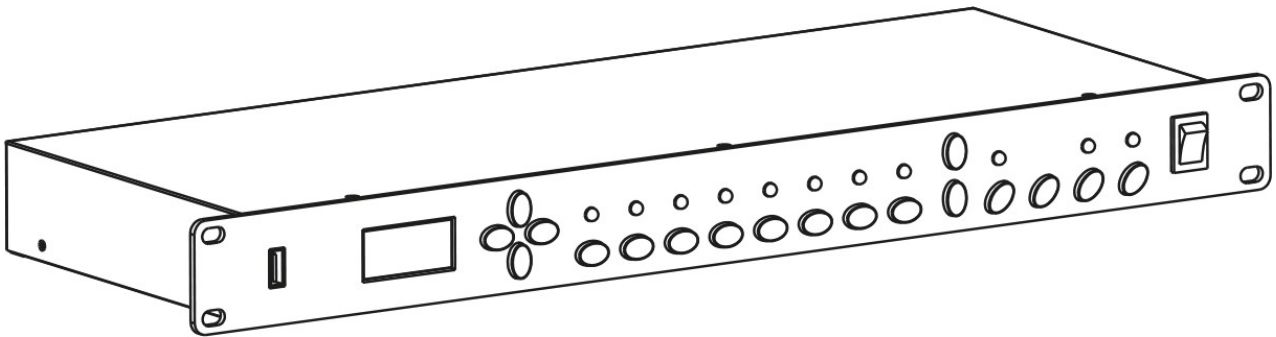


Bedienungsanleitung  
User manual  
Руководство по эксплуатации



# DMXREC512

DMX-recorder



# ENGLISH

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***Congratulations on purchasing an INVOLIGHT "DMXREC512"!  
With this lighting control device you are the owner of an extremely high quality and professional DMX recorder. So that you can enjoy your "DMXREC512" for a long time, please read these instructions carefully before commissioning. If you have any questions, please contact your INVOLIGHT specialist dealer. Have fun with your INVOLIGHT product!***

## **Part 1: Warnings:**

### **1.1 Overview of the meaning of the symbols and signal words:**

#### **DANGER!**

This combination of symbol and signal word indicates an immediately dangerous situation that will result in death or serious injuries if it is not avoided.

#### **WARNING!**

This combination of symbol and signal word indicates a potentially dangerous situation that can lead to death or serious injuries if it is not avoided.

#### **ATTENTION!**

This combination of symbol and signal word indicates a potentially dangerous situation that can lead to minor or minor injuries if it is not avoided.

#### **NOTE!**

This combination of symbol and signal word indicates a potentially dangerous situation that can lead to property damage and environmental damage if it is not avoided.



Warning of a danger point.



Warning of dangerous voltage.



General mandatory sign.



Pull the mains plug before opening.

## 1.2 Important safety instructions!

For your own safety you should read this chapter completely first!

**DANGER!**

### Electric shock due to improper mains connection



Only connect the device to a properly connected mains socket with a mains voltage of 230V ~ / 50 Hz using the mains adapter supplied. Do not make any changes to the plug-in power supply unit, cable or socket and regularly check the insulation of the cable for damage. Never immerse the device in water. Just wipe it with a slightly damp cloth. Failure to comply may result in an electric shock, fire or death. If you are unsure, contact an authorized electrician.

**NOTE!**

### Separation from the power grid



The mains plug is the main separating element. Unplug the power adapter to completely disconnect the device from the power source. Make sure that the socket is close to the device and easily accessible. Never use this device near damp places such as Wash basins, bathtubs or ponds and lakes.

**WARNING!**

### Operating conditions



This product was designed for indoor use only. Make sure that the power adapter or its cable never get wet or during operation gets damp. Do not place any objects filled with liquids, such as Cups or beer bottles, next to or on top of the device. Avoid direct sunlight, heavy dirt and strong vibrations. Always grasp the power adapter directly. Do not pull on the cord or handle the AC adapter with wet hands, as this may cause a short circuit or electric shock.

**Scope of delivery:** 1x "DMXREC512", 1x power cable, 1x instruction manual.

Please check whether all parts belonging to the scope of delivery are actually in the packaging!

**NOTE:** The power supply is in the side padding in a small, white box!

## 1.3 Intended Use:

**This information sheet contains important information on safe operation of the device. Make sure that this information is available to everyone who will use this device.**

The type plate and the serial number are located on the back of the device.

The INVOLIGHT "DMXREC512" DMX recorder is a light control device with which DMX-controllable light effects, in particular scanners, moving lights, but also spotlights and light effects as well as lasers, etc. can be controlled. This device is not intended for home use and may only be operated by people who have the appropriate knowledge and experience. Do not let children play or fiddle with it.

The device is only approved for a power connection with alternating voltage, AC100-240V, 50 / 60Hz.

Light control devices like the "DMXREC512" are sensitive and technically highly developed devices that have to be handled with care. You should therefore avoid vibrations and the effects of force when assembling / dismantling and using the device.

Only use the "DMXREC512" in locations that are protected from dust, moisture and excessive heat. The permitted operating temperature must be in the range -5 ° to + 45 ° Celsius and the relative humidity must not exceed 50% (at + 45 °)! Direct sunlight must be avoided during use and during transport. For your own safety and that of other people, make sure that no cables are lying around.

Bei Gewitter ist das Gerät vom Stromnetz zu trennen!

Always make sure that no liquid can get into the device!

Only use the "DMXREC512" in professional use if you are familiar with the functions and are familiar with the operation. Only let other people work with the device if you are sure that they are also familiar with its functions. In most cases, malfunctions are the result of previous incorrect operation.

If damage occurs due to non-observance of the intended use and the instructions given in these instructions, the guarantee will be void and consequences such as short circuit, fire or electric shock as well as the device (s) falling down may result. Under no circumstances should you open the housing of the device or the adapter. Unauthorized changes to the device are prohibited for safety reasons.

**The manufacturer is not liable for damage caused by improper installation and insufficient securing!**

## Part 2: Operation and programming:

INVOLIGHT "DMXREC512" an easy-to-use DXM recording and playback device.

**Note:** Basic knowledge of the DMX-512 standard is required!

INVOLIGHT "DMXREC512" has 2 modes: **System Mode** and User Mode.

In System Mode you have full control over all functions of the recorder.

In user mode you can only play the saved chasers. All other functions are blocked.

### User Mode activate:

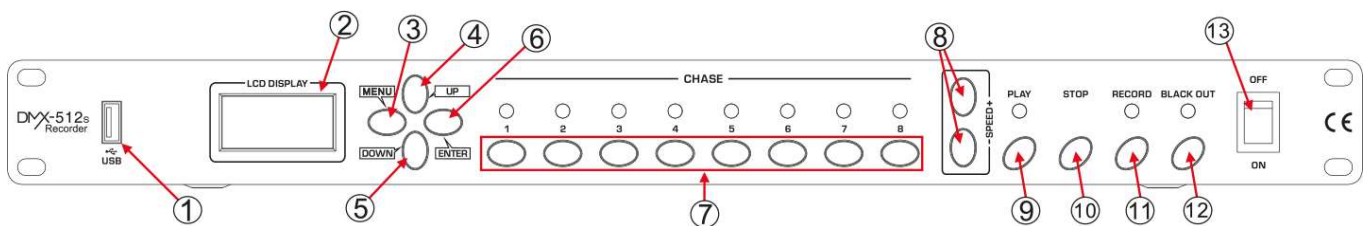
1. Switch off the INVOLIGHT "DMXREC512".
2. Hold down the MENU and ENTER buttons simultaneously and switch on the INVOLIGHT "DMXREC512". The recorder starts in user mode.

### User Mode deactivate:

1. Switch off the INVOLIGHT "DMXREC512".
2. Hold down the MENU and ENTER buttons simultaneously and switch on the INVOLIGHT "DMXREC512". The recorder starts in system mode. All functions are active again.

## 2.1 Overview of buttons and switches:

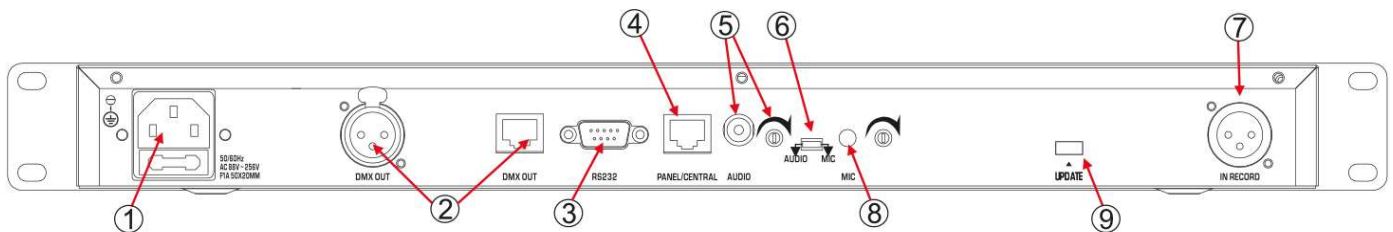
Illustration 1.  
Recorder interface:



Pos.	Controls	Function
1	USB	For inserting a USB storage medium for the Data Backup, Data Import.
2	LCD - Display	The display shows the menu with menu items.
3	Button /MENU/	To call up and exit the system settings.
4 und 5	Button /UP ▲/ und /DOWN ▼/	These buttons are used to decrease or increase the values.
6	Button /ENTER/	Activates the setting process for a menu item or saves a setting.

7	Button /CHASE/ 1-8	Keys 1-8 for calling up a program (running light sequences programmed by the user).
8	Button /SPEED▲/ und /SPEED▼/	Setting the speed of the time-controlled sequence of lighting scenes or a running light sequence.
9	Button /PLAY/	This button starts the selected sequence. This applies to both recording and playback.
10	Button /STOP/	This key ends the selected sequence. This applies to both recording and playback.
11	Button /RECORD/	Starts a recording.
12	Button / BLACKOUT/	Switches all control channels to the value zero. The LED lights up in this state.
13	Power switch	Turns the device on and off.

*Illustration 2:*  
Rear view:

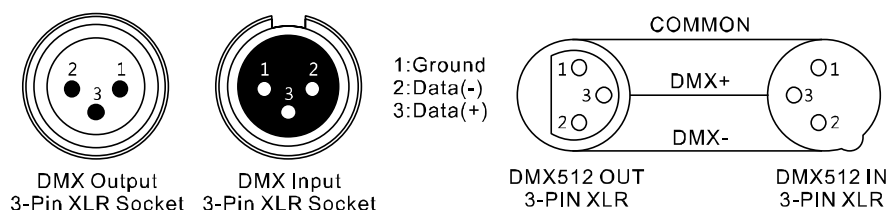


<b>Pos.</b>	<b>Controls</b>	<b>Function</b>
1	POWER IN	IEC mains input socket with fuse holder for F1A 250V fuse.
2	DMX512- output	3-pin XLR socket or RJ45 socket for connection to the DMX input of the first device.
3	RS232 connection	You can connect the device to this 9-pin D-Sub socket using a serial data cable.
4	PANEL connection	Connection of the optionally available remote control panel.

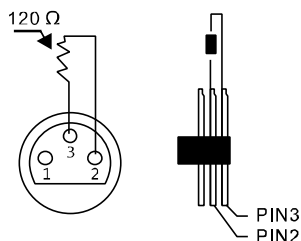
5	Audio-input	Input for the DMX signal, for example from a DMX controller.
6	Audio & MIC	You can connect the light device to the "Preview" output (or light devices) for which a chase is required.
7	DMX512-input	Input for the DMX signal, for example from a DMX controller The built-in microphone and a sensitivity regulator
8	MIC	For updating the internal firmware.
9	Service interface	<b>DANGER! Do not connect an AC adapter or any other device here!</b>

### DMX connections:

A three-pin XLR socket serves as a DMX output, a three-pin XLR plug serves as a DMX input.



For systems with very long DMX cable runs or high levels of electrical interference, such as in a nightclub, it is recommended to use a DMX terminator. The DMX terminating resistor is implemented in an XLR plug as a 120 Ω resistor between pin 2 and 3, which is plugged into the last output socket of the DMX line.



## 2.2 Menu structure:

1. Unit ID	UID 001 – UID 008
2. Play Mode	Mode MIC
	Mode Single
	Mode Cycle
	Mode Multi
3. Chase Time	Chase 1 00:00:00 – Chase 8 00:00:00
4. Speed	Speed 1 – xxx ... ... Speed 8 – xxx

<p><b>5. Save to USB</b></p>	<p>Chase 1 – YES  ...  ...  Chase 8 – YES  ...  <b>FULL Backup – YES</b></p>
<p><b>6. Load from USB</b></p>	<p>Chase 1 – Yes  ...  ...  Chase 8 – Yes  ...  <b>FULL Backup – Yes</b></p>
<p><b>7. Reset</b></p>	<p><b>Yes – No</b></p>

### 2.3 Link multiple recorders together:

You can couple up to 8 INVOLIGHT "DMXREC512" with each other by connecting the DMX output of the first device with the DMX input of the second device and so on. The connected devices must then be addressed by selecting the associated UID (001... .008) in the "Unit ID" menu item.

### 2.4 Record:

1. Connect a DMX controller to the DMX input of the INVOLIGHT "DMXREC512".
2. Press the RECORD button for 2 seconds. The recorder is ready for recording.
3. Start the programmed show on the DMX controller and at the same time select the desired memory location with one of the / CHASE 1-8 / buttons. The / RECORD / LED lights up and recording begins.
4. Press the / STOP / button to stop recording.
5. Repeat steps 2 to 4 to record another CHASER

**Up to 5 minutes can be recorded per chase.**

### 2.5 Auto Play:

1. Select the desired chaser (storage location). You can select several chasers at the same time. The selected chasers are played sequentially or simultaneously, depending on the selected play mode.
2. Press the / PLAY / button. Playback starts.
3. Use the / SPEED + / and / SPEED- / buttons to change the program speed.
4. Briefly press the / BLACKOUT / button to activate the "BLACKOUT" function on the DMX recorder or deactivate.
5. Press the / STOP / button to stop playback.

### 2.6 Save the chaser on a USB stick:

1. Insert a formatted USB stick into the USB port.
2. Select "SAVE TO USB" in the menu and confirm with the ENTER key.
3. Use the / UP / and / DOWN / buttons to select the chase to be saved and confirm with the ENTER button.
4. Select "YES" and confirm with the ENTER key.



## 2.7 Save all chasers to a USB stick:

1. Insert a formatted USB stick into the USB port.
2. Select "SAVE TO USB" in the menu and confirm with the ENTER key.
3. Use the / UP / and / DOWN / buttons to select "FULL BACKUP" and confirm with the ENTER button.
4. Select "YES" and confirm with the ENTER key.

## Part 3. Control panel (optional):

INVOLIGHT "RECPanel" is an easy-to-use button control panel for wall mounting with an integrated control.

*Illustration 3.*

Key panel - surface:



Illustration 4:  
Rear view:



**Connection:** RJ45 (cable is not included in the delivery)  
**Installation type:** Wall mounting (flush)  
**Dimensions:** 202 x 135mm  
**Weight:** 0,52kg

## Part 4. Maintenance:

The device should be cleaned regularly to remove contaminants such as dust, etc. Use to Cleaning with a lint-free, dampened cloth. In no case alcohol or any solvents use for cleaning!  
There are no user-serviceable parts inside. Maintenance and service work is exclusive reserved for authorized dealers!

## Part 5. Technical specifications:

<b>MODEL NAME:</b>	<b>DMXREC512</b>
<b>Product Type:</b>	DMX Recorder
<b>Operating voltage:</b>	AC100-240V, 50/60Hz
<b>Fuses:</b>	F1A / 250V
<b>Power consumption:</b>	5W
<b>Dimensions:</b>	482 x 176 x 46 mm
<b>Weight:</b>	1,72kg

## Part 6. Environmental Protection:

To all residents of the European Union:

**This product is subject to the European Directive 2002/96 / EC. Dispose of your old device not with normal household waste.**



■ This symbol on the product or on the packaging indicates that disposal of this product at the end of its life cycle could harm the environment. Do not dispose of the unit (or used batteries) as unsorted municipal waste. The unit or used batteries must be disposed of by a specialist company for recycling. This unit must be returned to the dealer or a local recycling company. Respect local environmental regulations.

**If in doubt, contact your local authority for disposal guidelines.**

WEEE reg. No. Germany: DE91898274

## Part 7: Warranty:

**INVOLIGHT** devices are subject to the valid statutory warranty provisions. Find out more about the valid warranty provisions from your specialist dealer. The following conditions come into effect with the purchase of an **INVOLIGHT** product: Only authorized specialist dealers designated by **INVOLIGHT** are allowed to carry out repairs on **INVOLIGHT** devices. The warranty is void if an unauthorized service, technician or private person attempts to repair or opens the device. Devices that are defective within the warranty period can be returned to the authorized seller for repair or replacement. In the event that a repair or replacement is required, please clarify the exact procedure for the return shipment with the seller. If necessary, take a look at the general terms and conditions (GTC) of the seller for information about warranty processing. Wearing parts are only taken into account by the guarantee if they are already defective when the device is delivered. The warranty does not apply if the device was destroyed through your own fault (e.g. fall or overvoltage). Mechanical defects such as broken switches or housing parts are also excluded from the guarantee. For all service and repair work, please contact the dealer from whom the device was purchased. He will help you as best he can.

Status: 09/2020 - We reserve the right to make technical and visual changes in the context of product improvement - even without prior notice.

No liability is accepted for printing errors and the resulting incorrect operation.  
If in doubt, ask your **INVOLIGHT** dealer!

## Part 8: EC Declaration of conformity.

The devices sold by **INVGROUP** Germany GmbH meet the basic requirements and other relevant specifications of the EMC directive 2014/30 / EU and LVD directive 2014/35 / EU

# DMXREC512



Order number: A-000000-06047



**INVOLIGHT**<sup>®</sup>

[www.involight.com](http://www.involight.com)