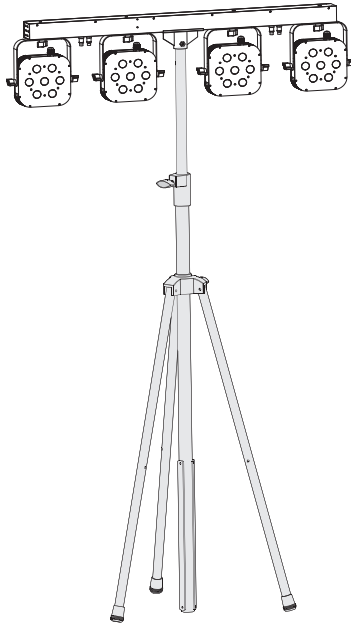




# sound<sup>sation</sup> 4LEDKIT-DJ

LED Tricolor 4-PAR Lighting Kit

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## USER MANUAL

*Please read this manual carefully and proper take care of this manual.*



Dear customer,

First of all thanks for purchasing a SOUNDSATION® product. Our mission is to satisfy all possible needs of musical instrument, professional audio and lighting users offering a wide range of products using the latest technologies.

We hope you will be satisfied with this item and, if you want to collaborate, we are looking for a feedback from you about the operation of the product and possible improvements to introduce in the next future. Go to our website [www.soundsationmusic.com](http://www.soundsationmusic.com) and send an e-mail with your opinion, this will help us to build instruments ever closer to customer's real requirements.

One last thing: read this manual before using the instrument, an incorrect operation can cause damages to you and to the unit. Take care!

The SOUNDSATION Team

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## IMPORTANT SAFETY SYMBOLS



The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.



The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety reasons.



Protective grounding terminal



Alternating current/voltage



Hazardous live terminal

**ON**

Denotes the apparatus is turned on

**OFF**

Denotes the apparatus is turned off

**WARNING:**

Describes precautions that should be observed to prevent the danger of injury or death to the operator.

**CAUTION:**

Describes precautions that should be observed to prevent danger of the apparatus.

## TAKING CARE OF YOUR PRODUCT

- ▶ Read these instructions
- ▶ Keep these instructions
- ▶ Heed all warning
- ▶ Follow all instructions

### WATER / MOISTURE

The apparatus should be protected from moisture and rain and can not be used near water; for example near a bathtub, a kitchen sink, a swimming pool, etc.

### HEAT

The apparatus should be located away from heat sources such as radiators, stoves or other appliances that produce heat.

### VENTILATION

Do not block areas of ventilation opening. Failure to do could result in fire. Always

install according to the manufacturer's instructions.

### **OBJECT AND LIQUID ENTRY**

Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

### **POWER CORD AND PLUG**

Protect power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two poles; a grounding-type plug has two poles and a third grounding terminal. The third prong is provided for your safety. If the provided plug does not fit into your outlet, refer to an electrician for replacement.

### **POWER SUPPLY**

In case of external power supply, the apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user. Unplug this apparatus during lightning storms or when unused for long periods of time.

### **FUSE**

To prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as described in the manual. Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

### **ELECTRICAL CONNECTION**

Always disconnect from the power source before servicing or replacing fuse and be sure to replace with same fuse size and type. Cut off power before moving, repairing and cleaning the unit. Improper electrical wiring may invalidate the product warranty.

To avoid electric shock, all fixtures must be connected to circuits with a suitable ground. Do not power on and power off the fixture in a short time.

### **DMX CONNECTION**

When use DMX controller, please make sure that there is no interference sources (e.g. intercom, high frequency radio waves and radiation source).

### **CLEANING**

Clean only with a dry cloth. Do not use any solvents such as benzene or alcohol.

### **SERVICING**

Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only. Only use accessories/attachments or parts recommended by the manufacturer.

## I. INTRODUCTION


Thank you for purchasing our 4LEDKIT-DJ lighting kit. Enjoy your new equipment and make sure to read this manual carefully before operation!

This user manual is made to provide both an overview of controls, as well as information on how to use them. In order to help you to understand the connections between the various controls, we have gathered in groups according to their functions.

### I.1. UNPACKING

Your 4LEDKIT-DJ was carefully packed to ensure safe transport. Despite this, we recommend you to carefully examine the package and its contents for any signs of physical damage, which can occur during transport. It is composed by following parts:

- ▶ 1x T-bar with Carrying bag
- ▶ 1x Pedal-board
- ▶ 1x Light stand with Carrying bag
- ▶ IEC power cable
- ▶ User manual

 **ATTENTION: Packaging bag is not a toy! Keep out of reach of children!!! Keep in a safe place the original packaging material for future use.**

### I.2. ACCESSORIES

SOUNDSATION can supply a wide range of quality accessories that you can use with your LED Kit, like Cables, Splitters, DMX controllers, and a wide range of fixtures.

All products in our catalogue has been long tested with this device, so we recommend you to use Genuine SOUNDSATION Accessories and Parts.

Ask your SOUNDSATION dealer or check out our website [www.soundsationmusic.com](http://www.soundsationmusic.com) for any accessories you could need to ensure best performance of the product.

## 2. OVERVIEW

SOUNDSATION 4LEDKIT-DJ brings you a complete light system including all accessories in only one package. It is the smartest solution for all musicians, DJs, and small rental companies.

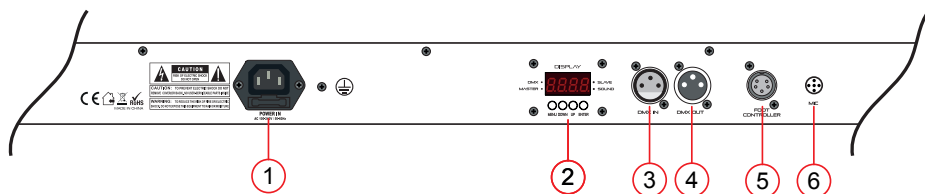
It comes complete with 4 compact LED spots. Each spot contains 7pcs 3Watt RGB 3in1 LEDs in order to create a complete color palette. The spots are mounted on a T-bar which has a built-in controller unit. The T-bar can be controlled by the included pedal-board or by DMX.

In addition to RGB color adjustment of all four PARs independently, the unit features 16 color change auto programs strobo and sound control, to let your lighting kit create wonderful effects even without a DMX controller.

### 3. MAIN FEATURES

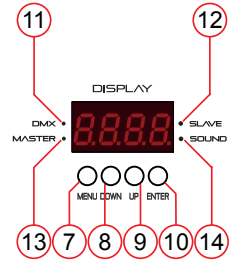
- ▶ 4 PARs with 7 high-brightness 3W LED each
- ▶ T-Bar with internal controller and power unit (carrying bag included)
- ▶ Tripod Stand with carrying bag included
- ▶ Operation Modes: Auto, Sound, DMX, Footswitch modes
- ▶ 8 Internal Programs, Sound Control and Strobo
- ▶ DMX: 16CH, 12CH, 7CH, 3CH and 1CH modes
- ▶ Lens Angle: 25° (per PAR)
- ▶ LED Display for easy navigation and programming
- ▶ Pedalboard with 4 footswitch

### 4. OVERVIEW



1. **POWER:** Mains input with IEC socket and integrated fuse holder. Connect here the supplied mains cable and any next light.
2. **LED DISPLAY:** It shows all menus and functions.
3. **DMX INPUT:** 3PIN male XLR connector for DMX communication.
4. **DMX OUTPUT:** 3PIN female XLR connection for DMX communication.
5. **FOOTSWITCH CONNECTOR:** Connect here the supplied pedalboard.
6. **MICROPHONE:** Turn the knob to adjust sound activated sensitivity.
7. **MENU:** Used to select different menu items.
8. **DOWN:** To go back in the menu and to lower values shown on the display.
9. **UP:** To go up in the menu and to increase values shown on the display.

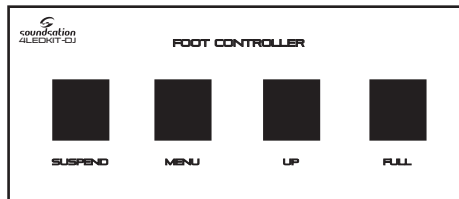
- 10. **ENTER:** Used to confirm your choice.
- 11. **DMX LED:** It flashes during DMX operation
- 12. **SLAVE LED:** When set Slave mode, it lights up
- 13. **MASTER LED:** When set Master mode, it lights up
- 14. **SOUND LED:** When Sound mode is active, it flashes according to incoming sound.



## 4.1. Foot controller

The pedalboard has 4 footswitch:

- ▶ **SUSPEND** - Left pedal is blackout / on. Pressing this pedal once will blackout the unit and all par cans will go off.
- ▶ **MENU** - By pressing menu pedal the unit will step through the built in programs.
- ▶ **UP** - To go up in the menu and increase values shown on the display.
- ▶ **FULL** - By long pressing this footswitch all LED PARs will light at maximum brightness. Use this function as blinder effect.

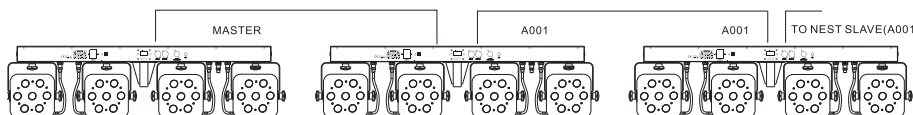


## 5. FUNCTION

The unit has several working modes:

- ▶ **Auto mode** - Built-in programs not controlled by foot pedal controller.
- ▶ **Sound mode** - automatic built in programs Sound activated
- ▶ **Master mode** - When active, the unit controls other T-Bars connected via DMX cables. The controlled units must be set to Slave mode.
- ▶ **Slave mode** - When active, the unit is controlled by another T-Bar via DMX cable.

 **NOTE:** Please note that the controller bar must be set as master unit. All slave units must be set on same DMX channel of the master and will follow the controls from it. Foot-pedal can be connected to the master unit to control all connected units.

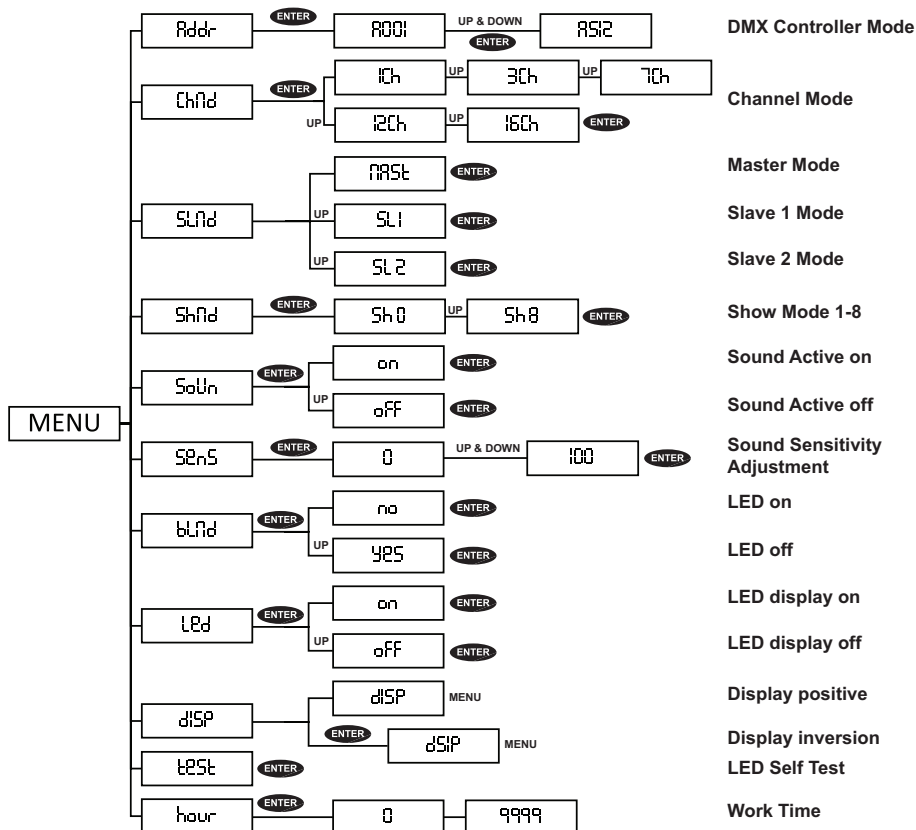


- **DMX512 mode** - DMX512 control via controller
- **Footswitch mode** - Hold, black out, and control programs via the foot pedal.

## 5.1. MAIN Menu

Press the **MENU** button to select the required function.

1. Once you have made a selection then press **ENTER** to confirm.
2. Use **DOWN** and **UP** button to choose the desired menu option.
3. To go back to previous menu wait 10 seconds, the menu structure will be shown in previous page.








## 6. DMX Channel Chart




### 1CH Mode

Channels	Value	Description
CH1 (008-255 all affected by sound active)	000-007	No function
	008-037	show1
	038-067	show2
	068-097	show3
	098-127	show4
	128-157	show5
	158-187	show6
	188-217	show7
	218-247	show8
	248-255	Random show1-8

### 3CH MODE













Channels	Value	Function
CH1	000 - 255	Red Dimmer 
CH3	000 - 255	Green Dimmer 
CH3	000 - 255	Blue Dimmer 

### 3CH MODE













Channels	Value	Function
CH1	000 - 255	Red Dimmer 
CH3	000 - 255	Green Dimmer 
CH3	000 - 255	Blue Dimmer 
CH4	000 - 255	Dimmer 0-100%
CH5	000 - 007	Remain the same
	008 - 247	Strobe speed slow to fast
	248 - 255	Sound active control strobe
CH6	000 - 007	Remain the same
	008 - 022	LED color change 1
	023 - 037	LED color change 2
	038 - 052	LED color change 3
	053 - 067	LED color change 4
	068 - 082	LED color change 5
	083 - 097	LED color change 6
	098 - 112	LED color change 7
	113 - 127	LED color change 8
	128 - 142	LED color change 9
	143 - 157	LED color change 10
	158 - 172	LED color change 11

CH6	173 - 187	LED color change 12
	188 - 202	LED color change 13
	203 - 217	LED color change 14
	218 - 232	LED color change 15
	233 - 247	LED color change 16
	248 - 255	LED color change, affected by sound active
CH7	000 - 007	Remain the same
	008 - 255	Speed change, slow to fast

### 12CH MODE

Channels	Value	Function	
CH1	000 - 255	First PAR Red Dimmer	
CH3	000 - 255	First PAR Green Dimmer	
CH3	000 - 255	First PAR Blue Dimmer	
CH4	000 - 255	Second PAR Red Dimmer	
CH5	000 - 255	Second PAR Green Dimmer	
CH6	000 - 255	Second PAR Blue Dimmer	
CH7	000 - 255	Third PAR Red Dimmer	
CH8	000 - 255	Third PAR Green Dimmer	
CH9	000 - 255	Third PAR Blue Dimmer	
CH10	000 - 255	Fourth PAR Red Dimmer	
CH11	000 - 255	Fourth PAR Green Dimmer	
CH12	000 - 255	Fourth PAR Blue Dimmer	


### 16CH MODE


Channels	Value	Function	
CH1	000 - 255	First PAR Red Dimmer	
CH3	000 - 255	First PAR Green Dimmer	
CH3	000 - 255	First PAR Blue Dimmer	
CH4	000 - 255	Second PAR Red Dimmer	
CH5	000 - 255	Second PAR Green Dimmer	
CH6	000 - 255	Second PAR Blue Dimmer	
CH7	000 - 255	Third PAR Red Dimmer	
CH8	000 - 255	Third PAR Green Dimmer	
CH9	000 - 255	Third PAR Blue Dimmer	
CH10	000 - 255	Fourth PAR Red Dimmer	
CH11	000 - 255	Fourth PAR Green Dimmer	
CH12	000 - 255	Fourth PAR Blue Dimmer	
CH13	000 - 255	Dimmer 0-100%	

CH14	000 - 007	Remain the same
	008 - 247	Strobe speed slow to fast
	248 - 255	Sound active control strobe
CH15	000 - 007	Remain the same
	008 - 022	LED color change 1
	023 - 037	LED color change 2
	038 - 052	LED color change 3
	053 - 067	LED color change 4
	068 - 082	LED color change 5
	083 - 097	LED color change 6
	098 - 112	LED color change 7
	113 - 127	LED color change 8
	128 - 142	LED color change 9
	143 - 157	LED color change 10
CH15	158 - 172	LED color change 11
	173 - 187	LED color change 12
	188 - 202	LED color change 13
	203 - 217	LED color change 14
	218 - 232	LED color change 15
	233 - 247	LED color change 16
CH16	248 - 255	LED color change, affected by sound active
	000 - 007	Remain the same
CH16	008 - 255	Speed change, slow to fast

## 7. MAINS CONNECTIONS

Connect the device to the mains with the power-plug. The wire correspondence is as follow:

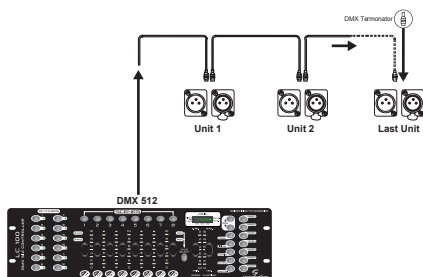
Cable	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	

 **The earth must to be connected! Pay attention to the safety! Before taking into operation for the first time, the installation has to be approved by an expert.**

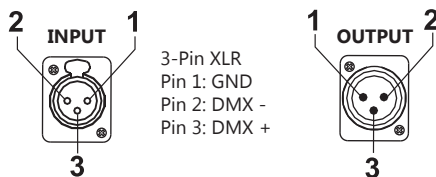
## 8. DMX Operation

DMX fixtures are designed to receive data through a serial Daisy Chain. A Daisy Chain connection is where the DATA OUT of one fixture connects to the DATA IN of the next fixture. The order in which the fixtures are connected is not important and has no effect on how a controller communicates to each fixture. Use an order that provides for the

easiest and most direct cabling.



#### DMX use of 3-Pin XLR Connectors



Connect fixtures using shielded 2-conductor twisted pair cable with 3-pin XLR male to female connectors. The shield connection is pin 1, while pin 2 is Data Negative (S-), and pin 3 is Data positive (S+).

 **CAUTION: Wires must not come into contact with each other; otherwise the fixtures will not work at all, or will not work properly.**

### 8.1. DMX Terminator

DMX is a resilient communication protocol, however errors still occasionally occur. In order to prevent electrical noise from disturbing and corrupting the DMX control signals, a good habit is to connect DMX output of last fixture in the chain to a DMX terminator, especially over long signal cable runs.

The DMX terminator is simply an XLR connector with a 120Ω (ohm), 1/4 Watt resistor connected across Signal (-) and Signal (+), respectively, pins 2 and 3, which is then plugged into the output socket on last projector in the chain. The connections are illustrated below.

DMX Terminator



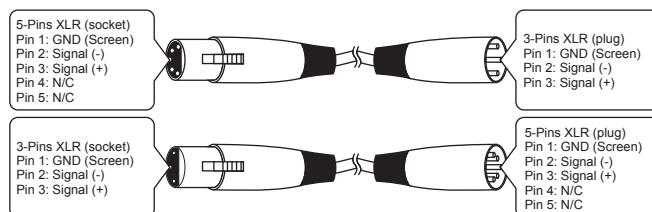
 **Complimentary signal cable can transmits signals to 20 unit fixtures at most. Signal amplifier is a must to connect more fixtures.**

### 8.2.3-Pin vs 5-Pin DMX cables

DMX connection protocols used by controllers and fixtures manufacturers are not standardized around the world. However, two are the most common standards: 5-Pin XLR and 3-Pin XLR system. If you wish to connect SCENESPLIT 8 RACK to a 5-Pin XLR input fixture, you need to use an adapter-cable or make it by yourself.

## 4LEDKIT-DJ USER MANUAL

Following the wiring correspondence between 3-Pin and 5-Pin plug and socket standards



## 9. TROUBLE SHOOTING

Problems	Check List	Troubleshooting
No Output. The Product does not work	<ul style="list-style-type: none"> <li>Check if the power cord is connect in input mains socket of the party Bar.</li> <li>Check if the ambient temperature in a safe range</li> </ul>	<ul style="list-style-type: none"> <li>Make sure there is mains present to cable. Check the fuse or replace the cable</li> <li>After temperature is suitable, protect function will cancel automatically</li> </ul>
LED Dimmed	<ul style="list-style-type: none"> <li>Check if power cord is connect in the input mains socket of the 4LEDKIT-DJ</li> </ul>	<ul style="list-style-type: none"> <li>Make sure mains input voltage is the correct voltage</li> </ul>
No DMX input	<ul style="list-style-type: none"> <li>Check if cable is damaged or connections pin polarity is correct</li> <li>Check if DMX mode is set properly</li> <li>Check if there are 2 units set as master in the whole circuit</li> </ul>	<ul style="list-style-type: none"> <li>Correct DMX polarity or change the cable.</li> <li>Set up function mode as DMX</li> <li>Set 1 unit in Slave Mode</li> </ul>

## 10. SPECIFICATIONS

General:	Portable system of 4 PAR lights, built-in power supply and control unit
LED per single PAR:	7 RGB 3in1 LED on each PAR (28 LEDs in total)
Beam angle:	25° (per PAR)
DMX Channels:	1, 3, 7, 12, and 16CH modes
AC power:	100V-240V 50/60Hz Switching Power Supply
Power Consumption:	100W
Bar / Bar Bag / Pedal Size and Weight:	Bar= 1170 x 160 x 60 mm, 7kg / Bar Bag= 1270 x 370 x 100 mm, 10 kg / Pedalboard= 380 x 60 x 200 mm, 1.4 kg
Tripod Height::	1240 mm (closed), 2240 mm (max.)
Packing (LxHxW):	1290 x 160 x 530 mm
G.W:	14.5 kg

## II. WARRANTY AND SERVICE

All SOUNDSATION products feature a limited two-year warranty. This two-year warranty is specific to the date of purchase as shown on your purchase receipt.

The following cases/components are not covered from the above warranty:

- Any accessories supplied with the product
- Improper use
- Fault due to wear and tear
- Any modification of the product effected by the user or a third party

SOUNDSATION shall satisfy the warranty obligations by remedying any material or manufacturing faults free of charge at SOUNDSATION's discretion either by repair or by exchanging individual parts or the entire appliance. Any defective parts removed from a product during the course of a warranty claim shall become the property of SOUNDSATION.

While under warranty period, defective products may be returned to your local SOUNDSATION dealer together with original proof of purchase. To avoid any damages in transit, please use the original packaging if available. Alternatively you can send the product to SOUNDSATION SERVICE CENTER – Via Enzo Ferrari , 10 – 62017 Porto Recanati - Italy . In order to send a product to service center you need an RMA number. Shipping charges have to be covered by the owner of the product.

For further information please visit [www.soundsationmusic.com](http://www.soundsationmusic.com)

## 12. WARNING

PLEASE READ CAREFULLY – EU and EEA (Norway, Iceland and Liechtenstein) only



This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2202/96/EC) and your national law.

This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (WEEE).

Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources.

For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service.



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Questo prodotto viene importato nella UE da  
FRENEXPORT SPA – Via Enzo Ferrari, 10 - 62017 Porto Recanati - Italy

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