

# MR Light RGB

## RGB studio lamp

(Rev. 1.3 ENG)



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# 1. PRODUCT OVERVIEW

**MR. LIGHT RGB** is the new multipurpose signal lamp designed for **Radio, TV, on air, production** and **recording studios**. The lamp is also ideal for any other environment where a signalling light is required such as audio booths, meeting rooms and offices. It's highly configurable to match customers' needs: colour, wording, graphics, brightness and operating mode.

**MR. LIGHT RGB** has been designed to be easily installed in any environment and condition. That allows its installation even far from the power socket and cable can be extended at the customers convenience.

**MR. LIGHT RGB** is made of high quality components and material that guarantee modern design and no need for maintenance.

## MR LIGHT RGB supplied:

Multi coloured with glimmering RGB LEDs.

Customisable wording with text and graphics (logos, icons, symbols and ideograms).

Modern Operating mode: blink, blink 2-colours, Stand-alone ON mode.

2 easy configuration button.

Supplied with mounting kit: wall, ceiling.

Just 1 cable.

GPIOs for remote control.

Easy setting for colour, switching mode and brightness

High availability and low power consumption

Power protection

12V DC power supply



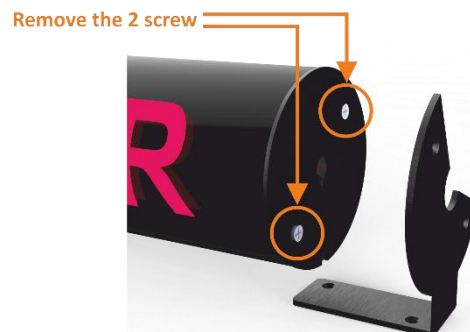
## 1.1 HOW TO MOUNT THE MRLIGHT RGB

### Flag position

Remove the 2 screw of external cover:



Remove other 2 screw in the second cover:



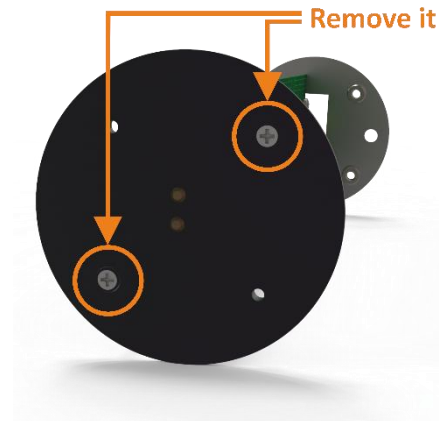
Remove the cylinder in plexiglass:



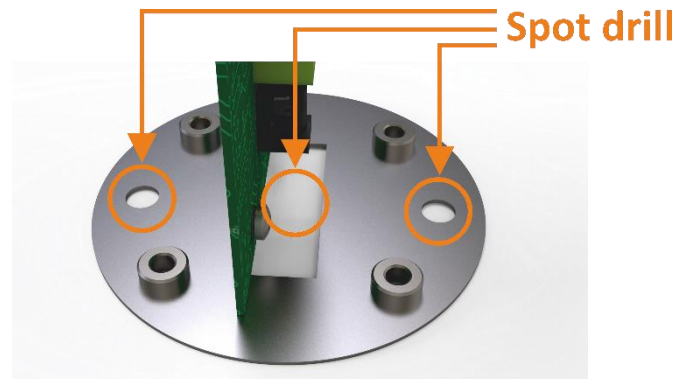
Remove the film with written:



Remove the opposite cover:

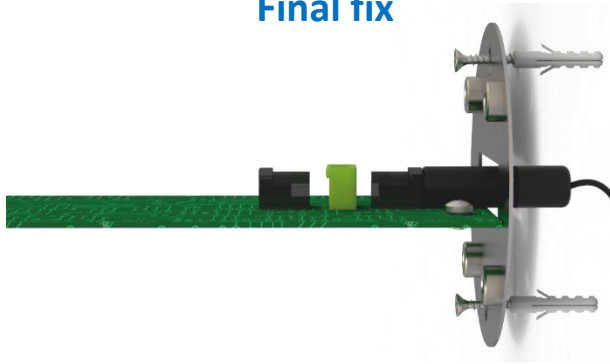


Place the **MR Light RGB** in the final position on the wall for mark the position of 3 holes( 2 for screw and 1 for cable):

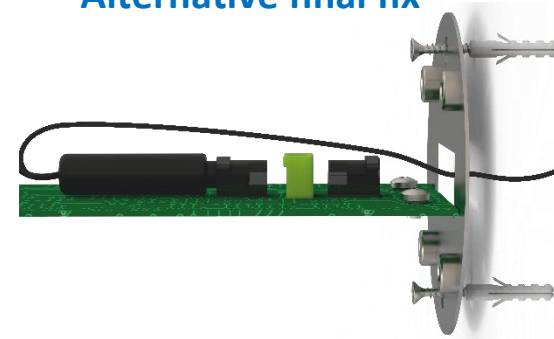


Drill the wall and fix the MRLight RGB with 2 wall plug and screw:

**Final fix**



**Alternative final fix**



Re-insert the black film and the plexiglass tube in correct position:

**Re-insert it**



Finally insert the externa cover and lock it with 2 screw:

**Re-insert it**



**Not used in this case**



### 1.1.1 CEILING POSITION

Remove the 2 screw of external cover:



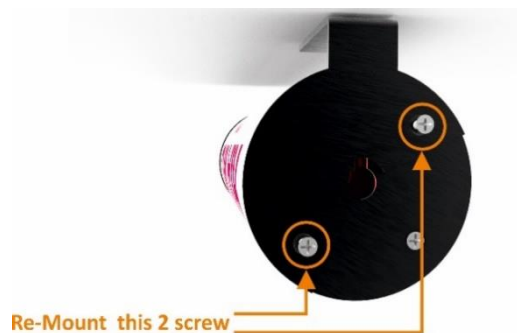
Place the external cover in the final position at the ceiling for mark the position of 2 holes:



Drill the ceiling and fix the cover with 2 wall plug and screw.



Re-mount the MRlight RGB with 2 screw:

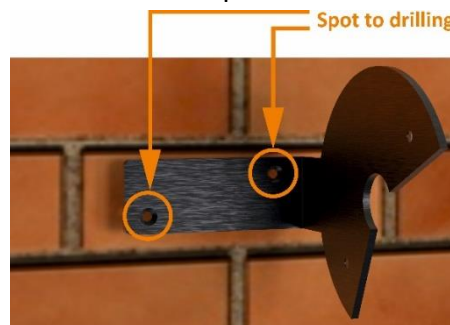


### 1.1.2 WALL POSITION

Remove the 2 screw of external cover:



Place the external cover in the final position at the wall for mark the position of 2 holes:

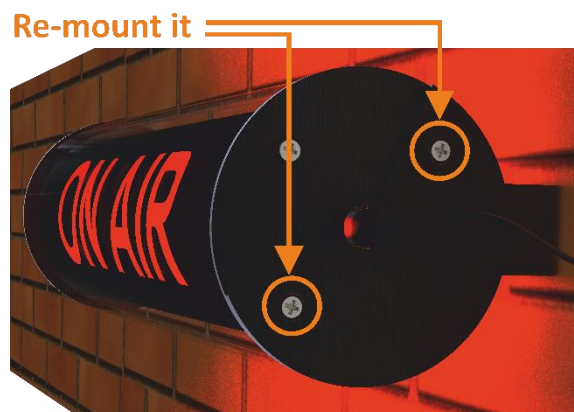




Drill the wall and fix the cover with 2 wall plug and screw.



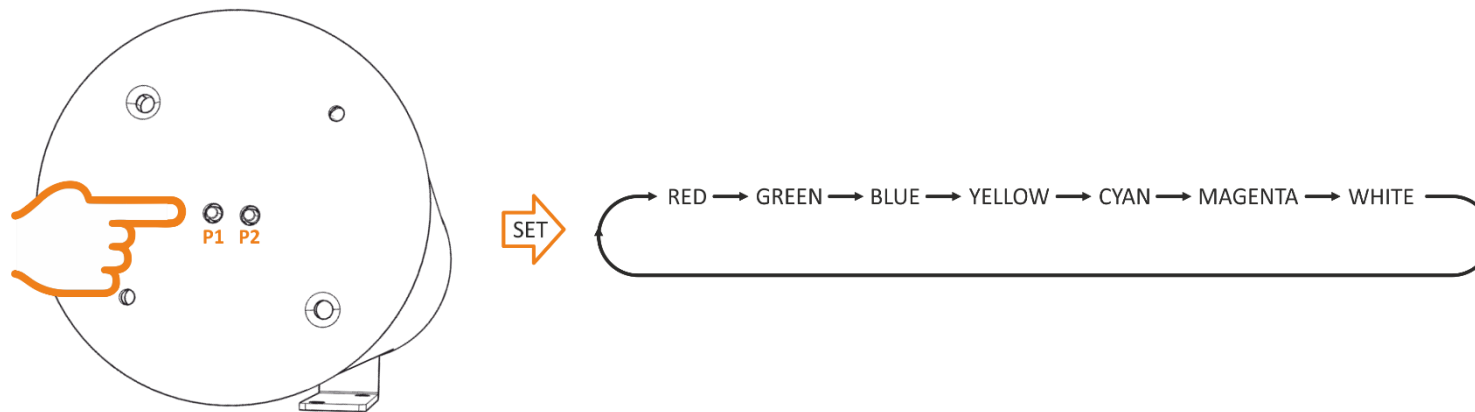
Re-mount the MRlight RGB with 2 screw:



It's able to change the colour and the lighting mode form two buttons at the side of MR LIGHT RGB:



By pressing the button **P1**, on the left the color is changed in the loop, see the following figure  
From this button you can change sequentially between seven colours.



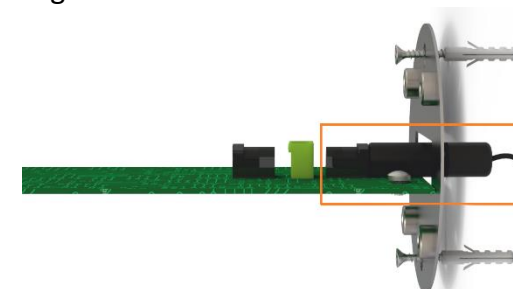
From the button **P2** can change lighting mode. That able to switching between 6 modren lighting mode like (flashing, flashing in two colours, sweeping colours).

Press and hold the **P2** button for 3 seconds to set the **MR Light RGB** in show mode. SHOW MODE it will set all colours and lighting mode in loop.

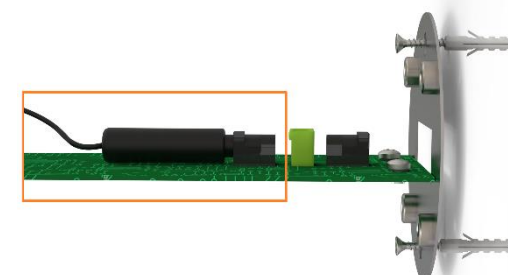
## 2. POWER CONNECTIONS

**MR Light RGB** have three way to connect to the power source. The item is coming with two power connectors ( **X6**, **X7** ) type 5.5mm, and one connector ( **X5** ) type 2pin terminal connector. From any stable 12v can feeds it by one of three ways and that to gave more comfortable.

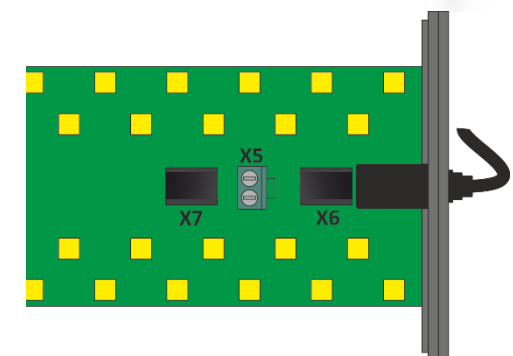
With **X6** connector don't need to open the item to connect it. See the next figure.



If that need to hide the male plug connector can use **X7** to feeds the device. See the next figure.



And it is also able to feeds it by **X5** the 2pin terminal connector. See the next figure.

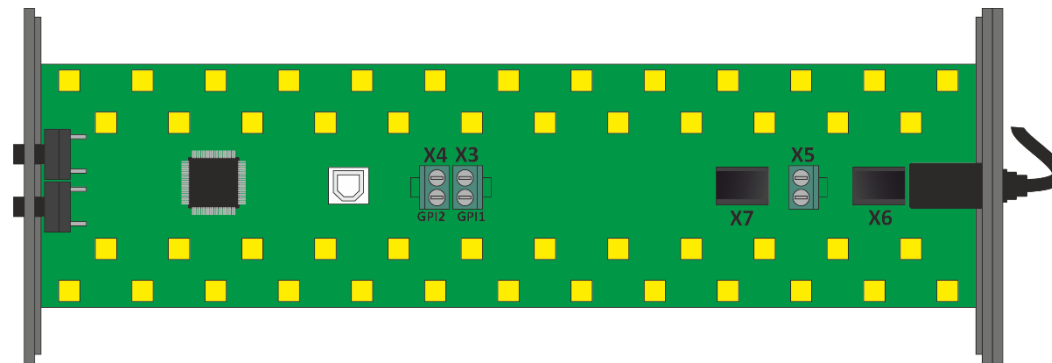


**Attention: That can not use more than one power source simultaneously!**

**MR Light RGB** can works as stand alone or can control it by **2 GPI** port optocouplers (**X3, X4**).

To active the **GPI** control mode, connect the comand cable to **X3** or **X4** by **2pin terminal connector** and release the stand alone jumper.

Note: GPI1 and GPI2 bouth of then do the same things.



### 3. TECHNICAL SPECS

PSU	
Power Supply	90-260 Vac / 47-63 Hz 15W
connection	
GPI Inputs	2 GPI
Panel Leds	100
Operating Temperature	0°C ÷ 40°C
Dimensions	
Dimensions (W; D)	100 x 330 mm
Weight	0.75 Kg

## 4. WEEE DIRECTIVE – INFORMATIVA RAEE



In line with EU Directive 2002/96/EC for waste electrical and electronic equipment (WEEE), this electrical product must not be disposed of as unsorted municipal waste. Please dispose of this product by returning it to the point of sale or to your local municipal collection point for recycling.

In Übereinstimmung mit der Richtlinie 2002/96/EG des Europäischen Parlaments und des Rates über Elektro- und Elektronik-Altgeräte (WEEE) darf dieses Elektrogerät nicht im normalen Hausmüll oder dem Gelben Sack entsorgt werden. Wenn Sie dieses Produkt entsorgen möchten, bringen Sie es bitte zur Verkaufsstelle zurück oder zum Recycling-Sammelpunkt Ihrer Gemeinde.

Conformément à la Directive 2002/96/EC sur les déchets d'équipements électriques et électroniques (DEEE), ce produit électrique ne doit en aucun cas être mis au rebut sous forme de déchet municipal non trié. Veuillez vous débarrasser de ce produit en le renvoyant à son point de vente ou au point de ramassage local dans votre municipalité, à des fins de recyclage.

In navolging van richtlijn 2002/96/EG van het Europees Parlement en de Raad betreffende afgedankte elektrische en elektronische apparatuur (AEEA) mag dit elektrische product niet als ongescheiden huisvuil worden weggedaan. Breng dit product terug naar de plaats van aankoop of naar het gemeentelijke afvalinzamelingspunt voor recycling.

In ottemperanza alla Direttiva UE 2002/96/EC sui rifiuti di apparecchiature elettriche ed elettroniche (RAEE), questo prodotto elettrico non deve essere smaltito come rifiuto municipale misto. Si prega di smaltire il prodotto riportandolo al punto vendita o al punto di raccolta municipale locale per un opportuno riciclaggio.

De conformidad con la Directiva 2002/96/CE de la UE sobre residuos de aparatos eléctricos y electrónicos (RAEE), este producto eléctrico no puede desecharse con el resto de residuos no clasificados. Deshágase de este producto devolviéndolo al punto de venta o a un punto de recogida municipal para su reciclaje.

I henhold til EU-direktiv 2002/96/EF om affald af elektrisk og elektronisk udstyr (WEEE) må dette udstyr ikke bortskaffes som usorteret husholdningsaffald. Bortskaf dette produkt ved at returnere det til salgsstedet eller til det lokale indsamlingssted, så det kan genbruges.

I linje med EU-direktiv 2002/96/EG om avfall som utgörs av eller innehåller elektriska eller elektroniska produkter (WEEE) får denna elektriska produkt inte bortskaffas som osorterat kommunalt avfall. Bortskaffa den i stället genom att lämna in den på försäljningsstället eller din lokala återvinningsstation.

EU:n sähkö- ja elektroniikkalaiteromudirektiivin (2002/96/EY) mukaisesti tätä elektroniikkalaitetta ei saa laittaa lajittelemattoman yhdyskuntajätteen sekaan. Hävitä laite palauttamalla se ostopaikkaan tai viemällä se elektroniikkaromun keräyspisteeseen.

De acordo com a Directiva Europeia 2002/96/EC sobre resíduos sólidos de equipamento eléctrico e electrónico (WEEE), este produto eléctrico não pode ser deixado fora juntamente com o lixo municipal indiferenciado. Por favor, no final da vida útil deste produto, devolva-o ao estabelecimento de aquisição, ou entregue no local de recolha apropriado para reciclagem designado pelo seu município.

V souladu se smrnici EU . 2002/96/ES o odpadních elektrických a elektronických zařizeniích (OEEZ) se tento elektrický výrobek nesmí likvidovat jako netříděný komunální odpad. Při likvidaci výrobek vraťte prodejci nebo ho odevzdejte k recyklaci do komunálního sběrného zařízení.

Vastavalt EL direktiivile 2002/96/EÜ, mis käsitleb elektri- ja elektroonikaseadmete jäätmeid (WEEE), ei või antud toodet visata majapidamisjäätmete hulka. Palun tagastage antud toode taaskasutamise eesmärgil müügipunkti või kohaliku piirkonna jäätmekogumise punkti.

V súlade so smernicou 2002/96/ES o odpade z elektrických a elektronických zariadení (OEEZ) sa toto elektrické zariadenie nesmie odstranovať ako netriedený komunálny odpad. Výrobok odstráňte jeho vrátením v mieste nákupu alebo odovzdaním v miestnom zbernom zariadení na recyklovanie.


V súlade so smernicou 2002/96/ES o odpade z elektrických a elektronických zariadení (OEEZ) sa toto elektrické zariadenie nesmie odstranovať ako netriedený komunálny odpad. Výrobok odstráňte jeho vrátením v mieste nákupu alebo odovzdaním v miestnom zbernom zariadení na recyklovanie.

## 5. WARRANTY


The manufacturer offers a one-year warranty ex-works. Do not open the equipment. Any breaking of the seals will result in forfeiture of the same. The manufacturer is not liable for damages of any kind arising from, or in connection with, the use of the wrong product.



## Dichiarazione di conformità

Il sottoscritto Giuseppe Vaccari	
In qualità di legale rappresentante della ditta Axel Technology S.r.l.	
con sede in: Via Caduti di Sabbiuno, 6/F – 40011 – Anzola Emilia (BO)	
Partita IVA: IT01735031203	
<b>Dichiara</b>	
che il prodotto: <b>Lampada On-Air LED RGB multicolore. Modalità operativa: lampeggiante, impulso. Wi-fi e GPI per controllo remoto. Basso consumo energetico. Alimentatore 12Vcc e kit per installazione inclusi.</b>	
Modello e/o codice: <b>MRLightRGB</b>	
Data Fabbricazione: vedi etichetta sul prodotto	Numero di serie: vedi etichetta sul prodotto
È stato costruito rispettando le seguenti direttive e norme:	
<ul style="list-style-type: none"><li>• Direttiva 2014/35/UE nota come "Direttiva bassa tensione"</li><li>• Direttiva 2014/30/UE nota come "Direttiva compatibilità elettromagnetica"</li><li>• Direttiva 2011/65/CE nota come "RoHS"</li><li>• Direttiva delegata (UE) 2015/863 della commissione del 31 marzo 2015 recante modifica dell'allegato II della direttiva 2011/65/UE</li><li>• Direttiva 2012/19/UE nota come "RAEE"</li><li>• Direttiva 2001/95/CE nota "Sicurezza generale dei prodotti"</li><li>• UNI EN ISO 7010:2021 Titolo: Segni grafici - Colori e segnali di sicurezza - Segnali di sicurezza registrati</li><li>• EN 62368-1:2018 - relativa alla sicurezza elettrica per le apparecchiature informatiche e i prodotti audio/video</li><li>• IEC 62311:2019 - Valutazione degli apparecchi elettronici ed elettrici in relazione alle restrizioni per l'esposizione umana ai campi elettromagnetici (0 Hz – 300 GHz)</li><li>• EN 55032:2015+A1:2020 - Compatibilità elettromagnetica delle apparecchiature multimediali. Requisiti di emissione</li><li>• EN 55103-2:2010 Norme di famiglie di prodotto per apparecchi audio, video, audiovisivi e di comando di luci da intrattenimento per uso professionale - Parte 2: Immunità.</li><li>• EN 60065:2019 Apparecchi audio, video e apparecchi elettronici simili Requisiti di sicurezza.</li><li>• EN 61000-6-1:2016 – EMC – Immunità per ambienti residenziali, commerciali e industria leggera.</li><li>• EN 61000-6-3:2020 – EMC – Emissione per ambienti residenziali, commerciali e industria leggera.</li><li>• EN 60950-1:2014 – Sicurezza degli apparati ITE (Information Technology Equipment)</li><li>• EN 55024:2017 Apparecchiature per la tecnologia dell'informazione - Caratteristiche di immunità Limiti e metodi di misura.</li><li>• EN IEC 63000:2018 Nuovo standard armonizzato per dimostrare la conformità RoHS</li><li>• EN 55032:2015+A11:2020 Compatibilità elettromagnetica delle apparecchiature multimediali - Requisiti di emissione</li><li>• EN 55035:2017 - Compatibilità elettromagnetica delle apparecchiature multimediali - Requisiti di immunità</li></ul>	
Ed è quindi conforme alle direttive e normative vigenti.	
La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante.	
Data: 15/6/2023	Firma: 
Luogo: ANZOLA DELL'EMILIA (BO) - ITALIA	

# CE Declaration of Conformity

The undersigned Giuseppe Vaccari	
As legal representative of the company Axel Technology Srl	
based in: Via Caduti di Sabbiuno, 6/F – 40011 – Anzola Emilia (BO)	
VAT number: IT01735031203	
<i>declares</i>	
that the product: <b>Multicolor RGB LED On-Air lamp. Operating mode: flashing, pulse. Wi-fi and GPI for remote control. Low power consumption. 12Vdc power supply and installation kit included.</b>	
Model and/or code: <b>MRLightRGB</b>	
Date of manufacture: see label on the product	Serial number: see label on the product
It was built in compliance with the following directives and standards:	
<ul style="list-style-type: none"> <li>• Directive 2014/35/EU known as the "Low Voltage Directive"</li> <li>• Directive 2014/30/EU known as the "Electromagnetic Compatibility Directive"</li> <li>• Directive 2011/65/EC known as "RoHS"</li> <li>• Commission Delegated Directive (EU) 2015/863 of 31 March 2015 amending Annex II of Directive 2011/65/EU</li> <li>• Directive 2012/19/EU known as "WEEE"</li> <li>• Directive 2001/95/EC known as "General product safety"</li> <li>• UNI EN ISO 7010:2021 Title: Graphic signs - Colors and safety signs - Registered safety signs</li> <li>• EN 62368-1:2018 - relating to electrical safety for computer equipment and audio/video products</li> <li>• IEC 62311:2019 - Evaluation of electronic and electrical equipment with regard to restrictions on human exposure to electromagnetic fields (0 Hz – 300 GHz)</li> <li>• EN 55032:2015+A1:2020 - Electromagnetic compatibility of multimedia equipment. Issue requirements</li> <li>• EN 55103-2:2010 Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use - Part 2: Immunity.</li> <li>• EN 60065:2019 Audio, video and similar electronic equipment Safety requirements.</li> <li>• EN 61000-6-1:2016 – EMC – Immunity for residential, commercial and light industry environments.</li> <li>• EN 61000-6-3:2020 – EMC – Emission for residential, commercial and light industry environments.</li> <li>• EN 60950-1:2014 – Safety of ITE (Information Technology Equipment)</li> <li>• EN 55024:2017 Information technology equipment - Immunity characteristics Limits and methods of measurement.</li> <li>• EN IEC 63000:2018 New harmonized standard to demonstrate RoHS compliance</li> <li>• EN 55032:2015+A11:2020 Electromagnetic compatibility of multimedia equipment - Emission requirements</li> <li>• EN 55035:2017 - Electromagnetic compatibility of multimedia equipment - Immunity requirements</li> </ul>	
And it is therefore compliant with current directives and regulations.	
This declaration of conformity is issued under the sole responsibility of the manufacturer.	
Date: <u>15/6/2023</u>	Signature: 
Place: <u>ANZOLA DELL'EMILIA (BO) - ITALY</u>	