

**TORNADO**  
ILLUMINATES AND COOLS

Ultimate illumination with 16.8 M colors  
Support various M/B RGB lighting systems

**Declaration of Conformity for CF-3012-RGB**

Hereby, Arena Electronic GmbH declares that the equipment type CF-3012-RGB is in compliance with Directive: 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://www.chieftec.eu/products-detail/264/CF-3012-RGB>

Настоящим Arena Electronic GmbH декларация, что радиосовместимые тип CF-3012-RGB в соответствии с Директивой: 2014/53/ЕС. Целостный текст на ЕС декларация доступна по следующему интернет адресу: <https://www.chieftec.eu/products-detail/264/CF-3012-RGB>

Arena Electronic GmbH ovine izjavuje da je radijska oprema tipa CF-3012-RGB u skladu s Direktivom: 2014/53/EU. Cjeloviti tekst EU izjave o skladnosti dostupan je na sledećoj internetkoj adresi: <https://www.chieftec.eu/products-detail/264/CF-3012-RGB>

Arena Electronic GmbH tímto prohlašuje, že rádiové zariadenie typu CF-3012-RGB je v súlade so smernicou: 2014/53/EU. Úplný znení EU prohlásení o shode je k dispozíci na tejto internetovej adrese: <https://www.chieftec.eu/products-detail/264/CF-3012-RGB>

Hierbij verklaart Arena Electronic GmbH dat het type radioapparatuur CF-3012-RGB conform is met Richtlijn: 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: <https://www.chieftec.eu/products-detail/264/CF-3012-RGB>

Arena Electronic GmbH igazolja, hogy a CF-3012-RGB típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfeleklőségi nyilatkozat teljes szövegét elektronikailag értesíthet az internetes címen: <https://www.chieftec.eu/products-detail/264/CF-3012-RGB>

Il fabbricante, Arena Electronic GmbH, dichiara che il tipo di apparecchiatura radio CF-3012-RGB conforme alla direttiva: 2014/53/EU. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: <https://www.chieftec.eu/products-detail/264/CF-3012-RGB>

Ar šo Arena Electronic GmbH deklarē, ka radioiškārtā CF-3012-RGB atbilst Direktīvai: 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā internetā vietnē: <https://www.chieftec.eu/products-detail/264/CF-3012-RGB>

Mes, Arena Electronic GmbH, patvirtiname, kad radiojo įrenginys tipas CF-3012-RGB atitinka Direktyvą: 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: <https://www.chieftec.eu/products-detail/264/CF-3012-RGB>

Hereby declare Arena Electronic GmbH at radiostýzypen CF-3012-RGB er i samsvar med direktiv: 2014/53/EU. EU-erklæring finner du på Internet under: <https://www.chieftec.eu/products-detail/264/CF-3012-RGB>

Arena Electronic GmbH niniejszym oświadczam, że typ urządzenia radiowego CF-3012-RGB jest zgodny z dyrektywą: 2014/53/EU. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: <https://www.chieftec.eu/products-detail/264/CF-3012-RGB>

Dalí alebo asinadotaj Arena Electronic GmbH dekla que o presente tipo de equipamentode rádio CF-3012-RGB está em conformidade com a Diretiva: 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço eletrônico: <https://www.chieftec.eu/products-detail/264/CF-3012-RGB>

Prin prezenta, Arena Electronic GmbH declară că tipul de echipament radio CF-3012-RGB este în conformitate cu Directiva: 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: <https://www.chieftec.eu/products-detail/264/CF-3012-RGB>

Hereby declare Arena Electronic GmbH that arena type av radiostyrning CF-3012-RGB överensstämmer med direktiv: 2014/53/EU. Den fullständiga texten till EU-klaringsom överensstämme finns på följande webbadress: <https://www.chieftec.eu/products-detail/264/CF-3012-RGB>

**The TORNADO is a comprehensive controller that integrates colorful lighting with motherboard synchronization and fan speed control. It is specially designed for chassis lighting synchronization control.**

**Features:**

- 1: Designed for chassis lighting synchronization control with a reserved reset switch and (PH2.0) 4P connector to front panel.
- 2: The one-button sync light effect can be switched as desired. The standard MCU has an integrated lighting effect.
- 3: Built - in three - way button on the PCB for function switching.
- 4: Optional RF remote control for an open distance to reach more than 30M.
- 5: The third fan offers precise speed regulation and has the function of automatically correcting the fan speed. The fan speed is displayed by the LED light colors. (Remarks: The speed light indication is not installed by default, and it is installed according to customer requirements).
- 6: It can connect 6 color fans and 2 light strips.
- 7: 20 dynamic lighting modes, 9 static modes.
- 8: 12V / 5V dual - group power supply SATA interface.

**Interface Description:**

- 1: Power supply port: on SATA connector port, 12V and 5V dual - group power supply, 12V→3A (max.) & 5V→3A (max.). If more current is required, please communicate with us.
- 2: Fan connector port: (PH2.0) 6P, the interface is parallel, 6 - way fan lighting synchronization, line sequence: FAN / 12V / FGND / LGND / +5V.
- 3: Light - strip connector port: DuPont RGB needle holder \*4P, can be connected with 2 light - strips at the same time, each light - strip does not exceed 2m length, that means that the maximum support is with 180 lights.
- 4: Expansion Button port: a: (DuPont) 2.54\*2P, you can reset the button to control the lighting. b: (PH2.0) 4P port, extended to the front panel to control lights and fans.
- 5: Motherboard signal synchronization connector: PH2.0 4P connector, can synchronize the motherboard lighting effects.

**Buttons Description:**

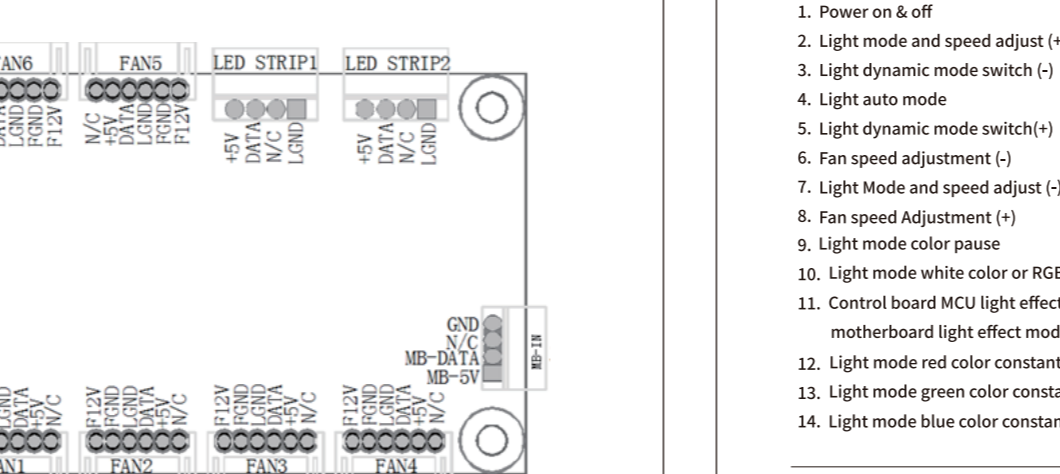
- 1: LED button: for lighting mode and on/off light. Multiplex button, short press to switch 20 kinds of dynamic light mode with cycle mode. Long press (3 sec.) to turn on/off the light. 9 static modes can be switched by remote control.
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- 3: HIGH button (FAST): Fan speed adjustment button and light color selection button, divided into three switch positions, adjusted to the highest level full speed 12V is not in the loop. Press and hold 3 sec. to select the color under the current dynamic mode.

**Fan speed specification:**

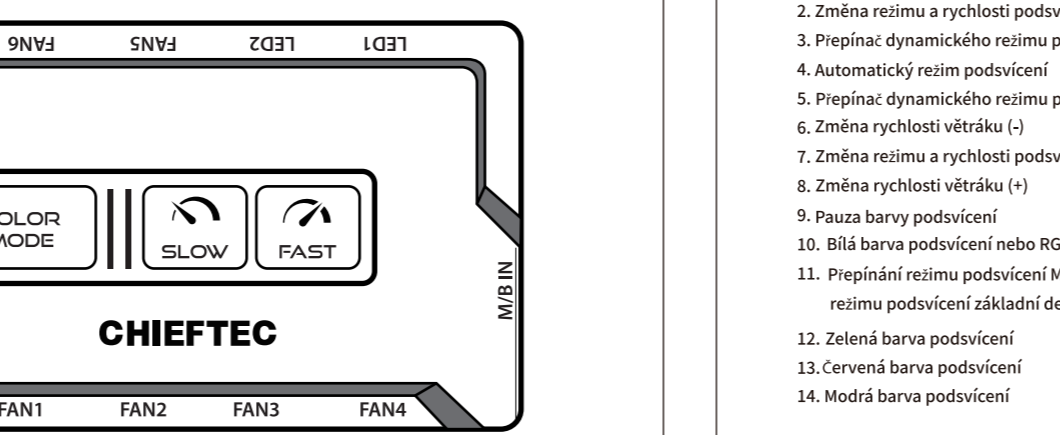
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- 2: Fan drives capability: the total power of the fan is no more than 12V 2.5A.
- 3: Fan default speed: 9V (medium speed), divided into three switches, low speed 7V ± 0.2V, medium speed 9V ± 0.2V, full speed 12V. The LOW button reduces the fan speed to the minimum speed, and the HIGH button increases the fan speed to full speed.

**Control board interface:**

as below attached CAD

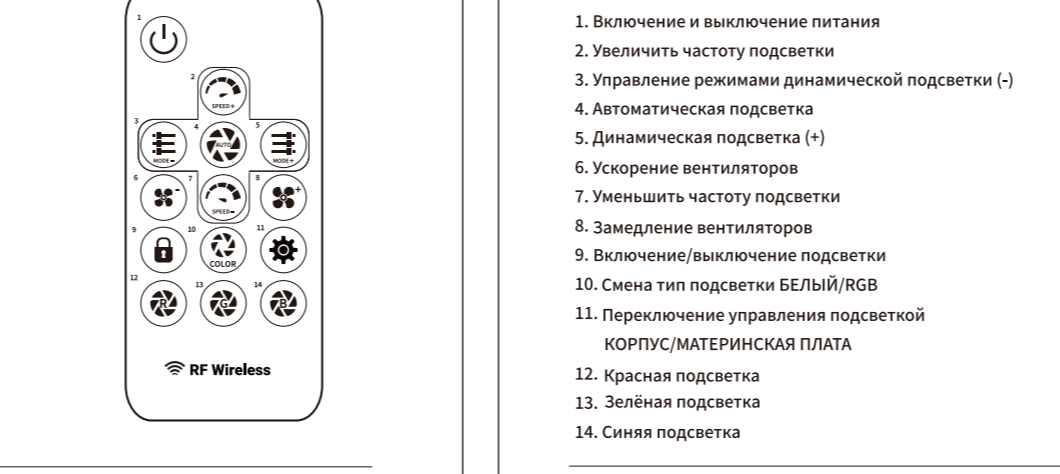


**Control box picture:**



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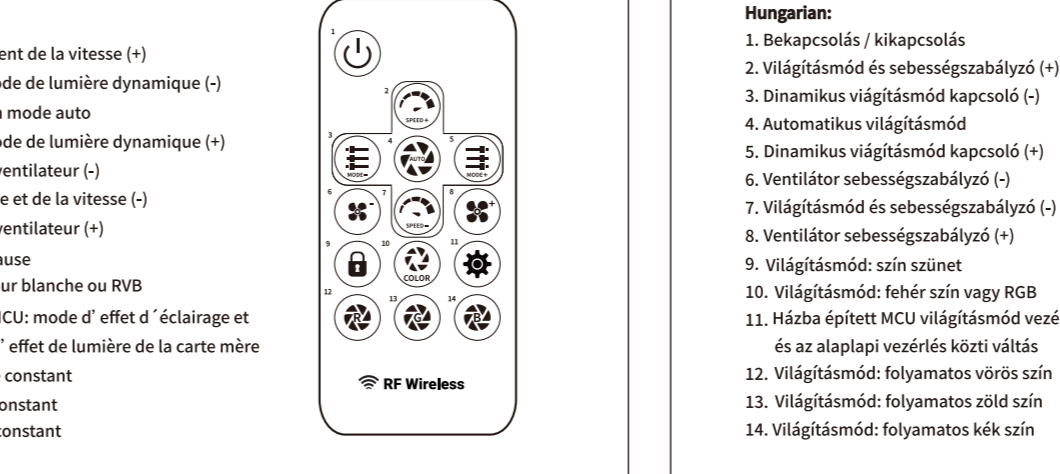
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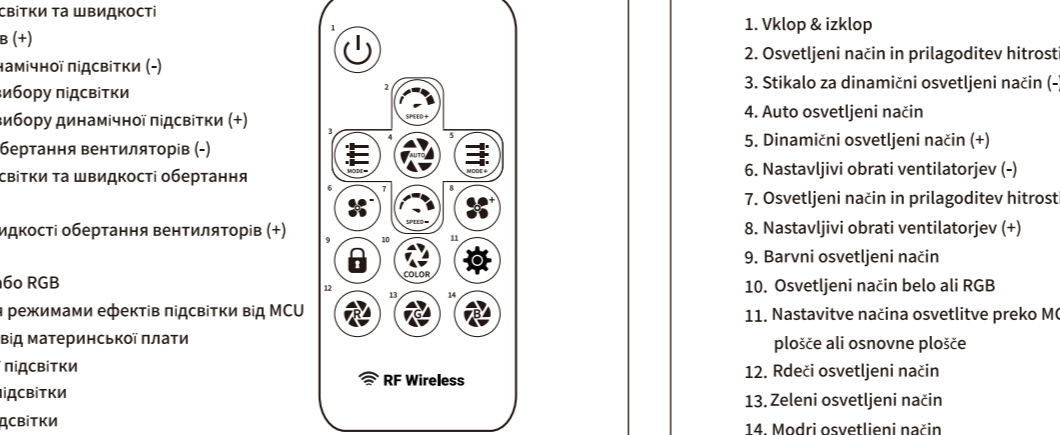
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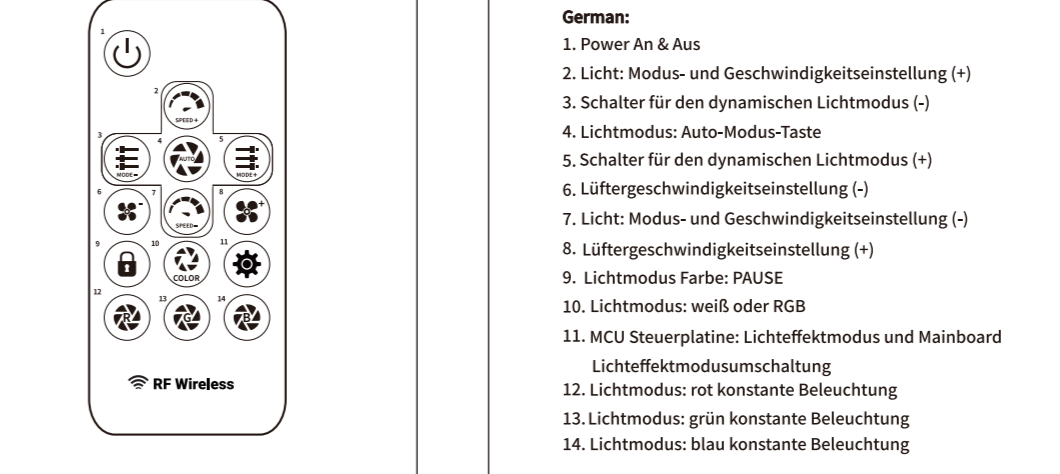


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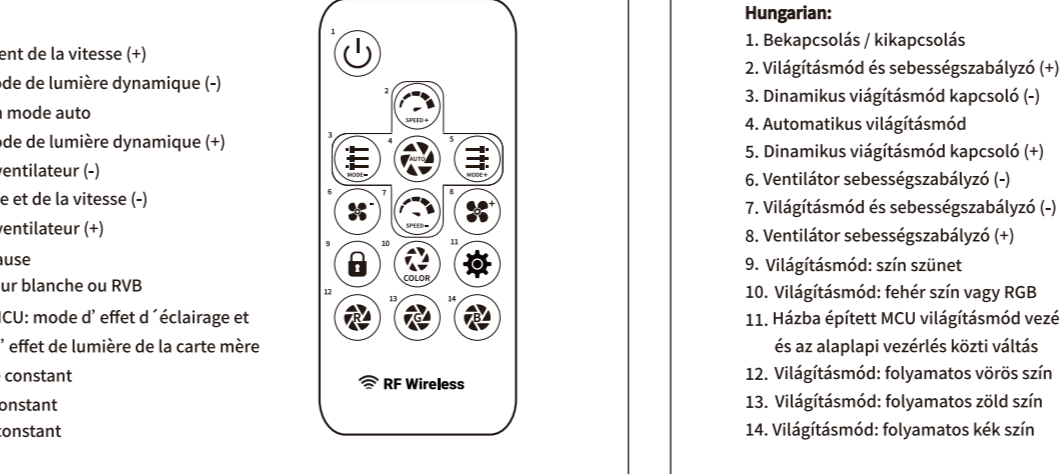
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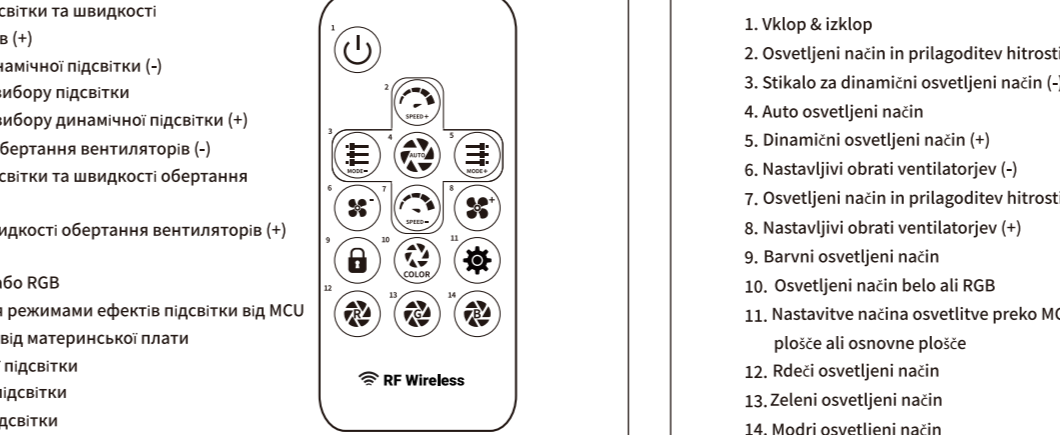
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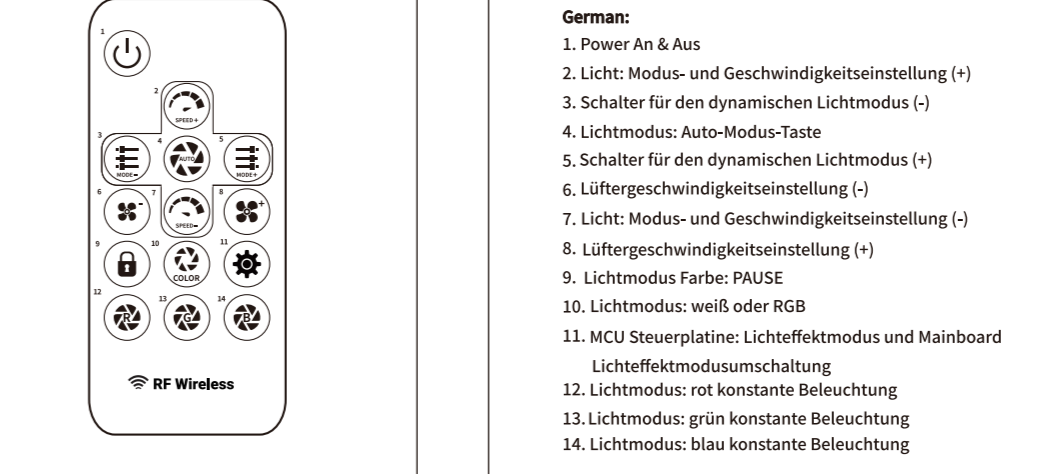


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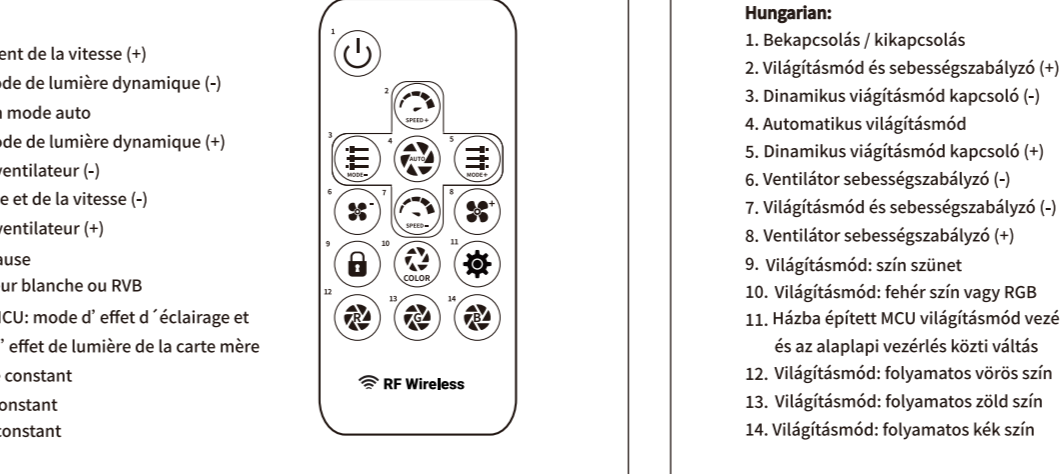
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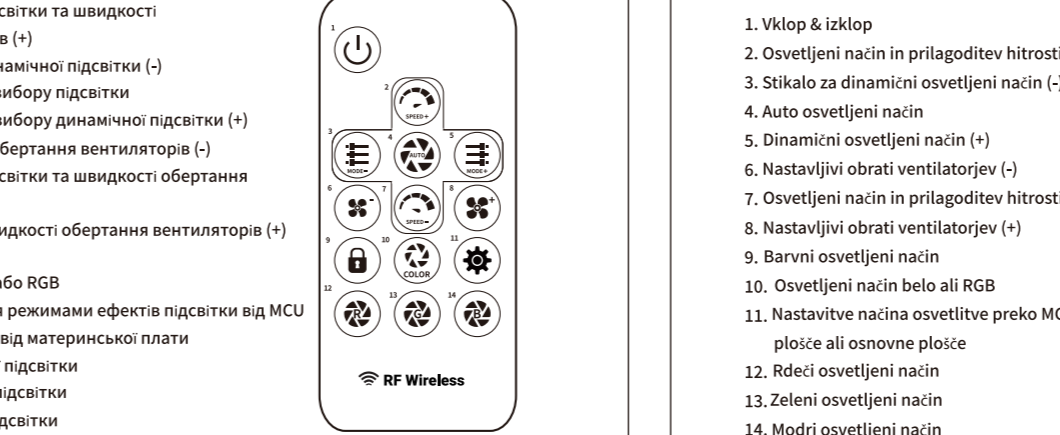
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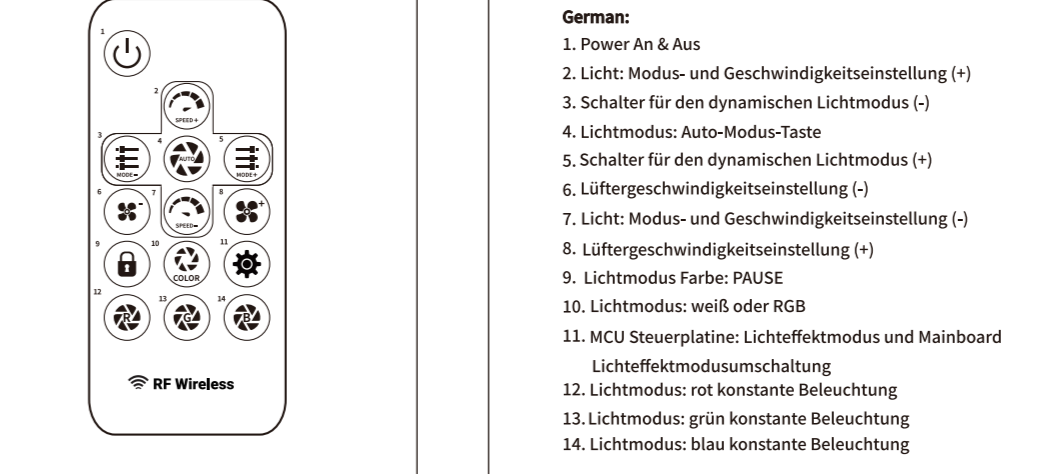


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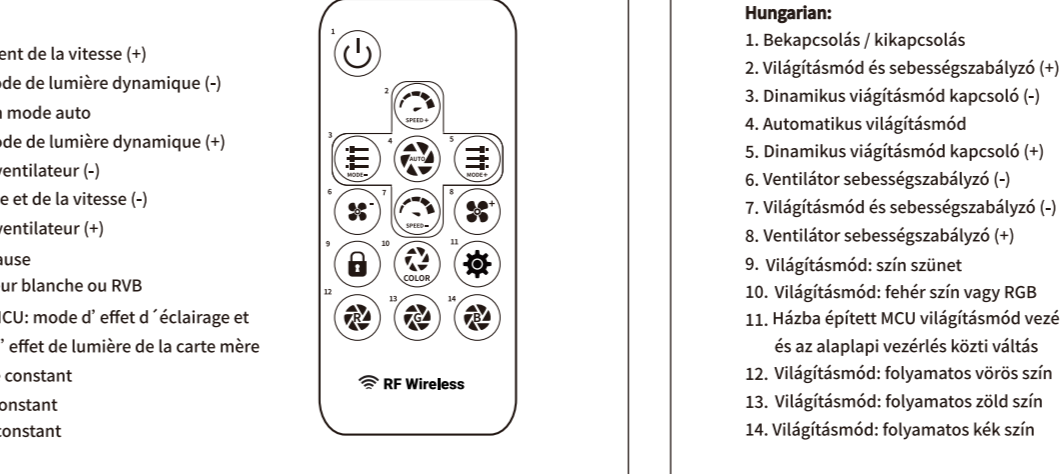
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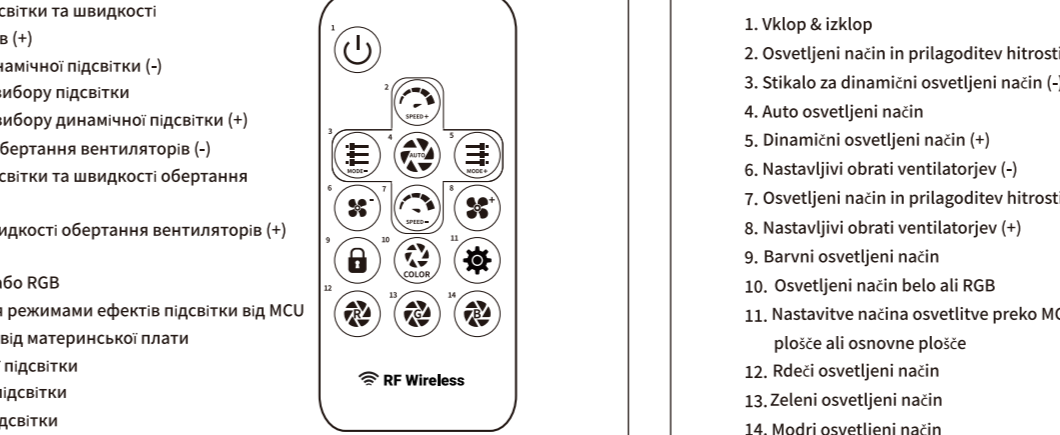
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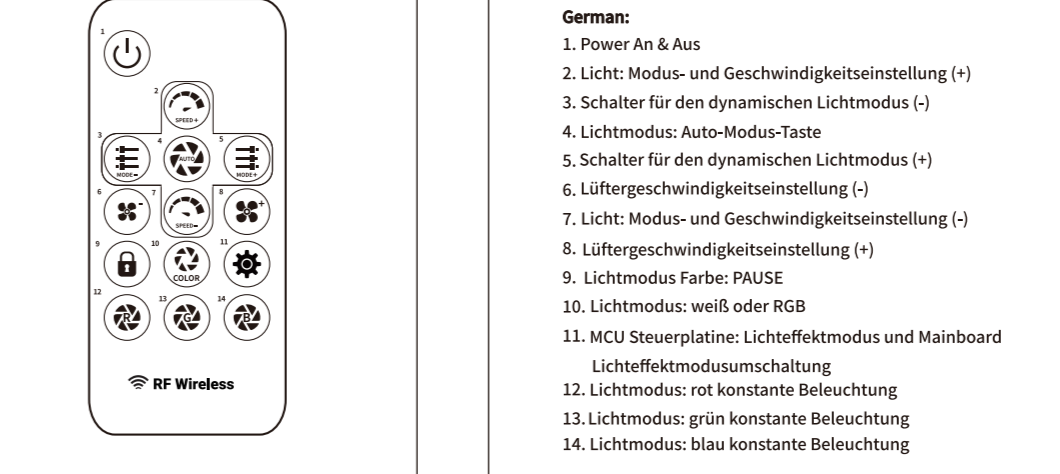


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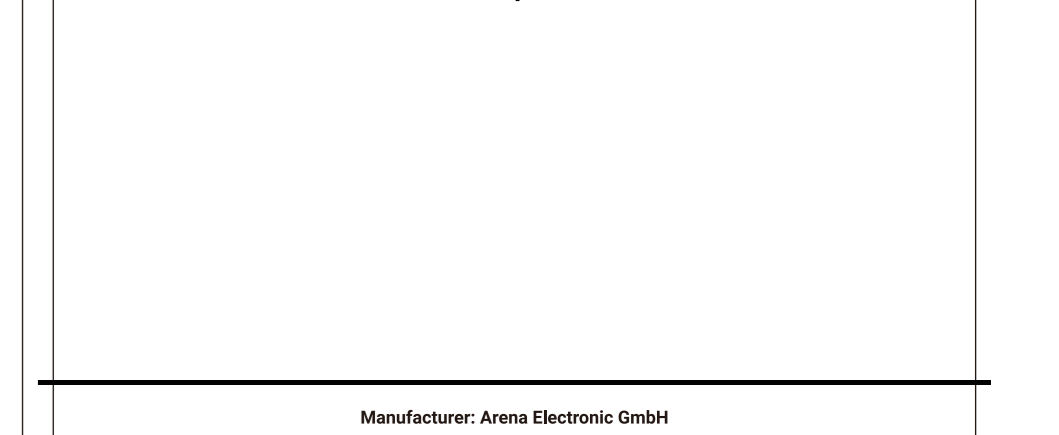
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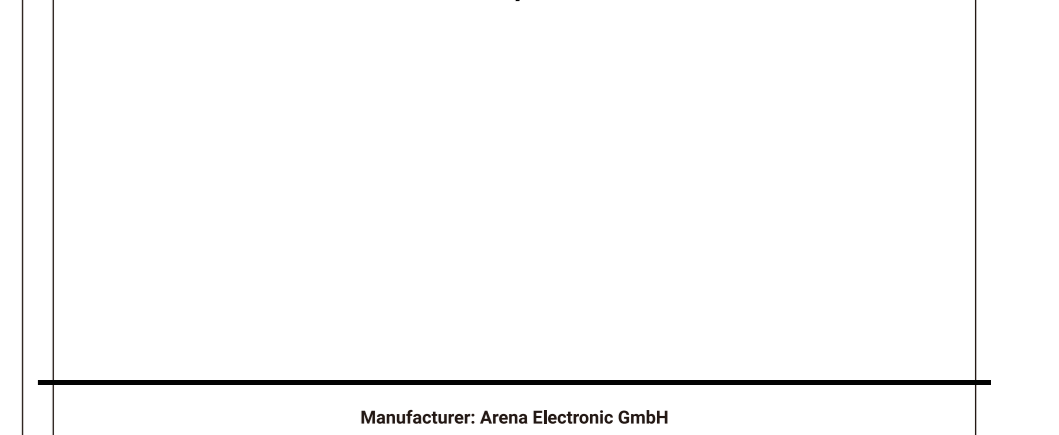
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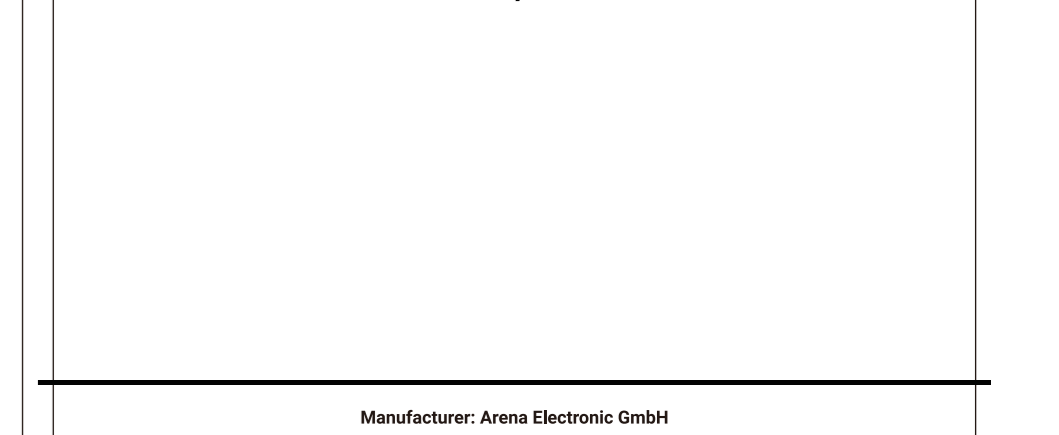
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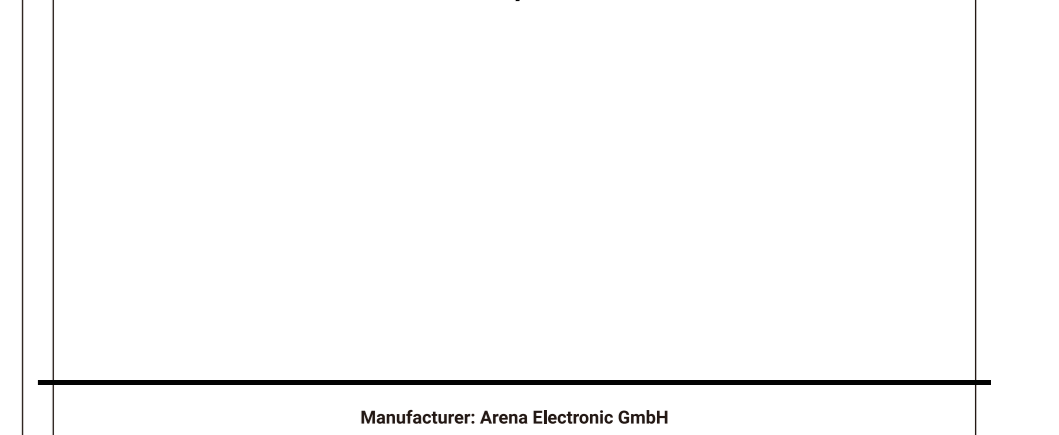
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