



# REGULATORY INFORMATION LEAFLET

## RESTRICTIONS

\* GFG Blast Furnace is generally suitable for ages 14+. Adults are encouraged to also consider the competency of children using the product to understand all the following safety warnings, with special attention to not leaving the unit connected to the battery unattended.

\* The GFG Blast Furnace product is not a toy and is unsuitable for young children the small parts enclosed may lead to a choking hazard, keep out of reach of young children.

## SAFETY WARNINGS

THIS PRODUCT MAY CONTAIN PARTS THAT OVERHEAT. PLEASE AVOID TOUCHING THEM. USER DISCRETION IS ADVISED.

THIS PRODUCT MAY CONTAIN SHARP PARTS. PLEASE AVOID TOUCHING THEM. USER DISCRETION IS ADVISED.

- \* Always check your circuit build thoroughly with the manual, before testing and powering up.
- \* Incorrect assembly can lead to modules overheating. If this happens remove the battery and check connections are correct.
- \* Do not use the product near flames or extreme heat.
- \* Do not leave this unit unsupervised when in use, WHEN NOT IN USE, DISCONNECT THE BATTERY TO SWITCH THE PRODUCT OFF.
- \* If plugging into the computer using a USB cable, disconnect the power bank first.
- \* Always use a clean, well lit, safe environment when assembling or working on the GFG Blast Furnace.
- \* Changes to the circuit, code and the addition of any other modules is at the individual's own risk.
- \* Cables and shell parts can have sharp ends handle with care.
- \* Do not connect the GFG Blast Furnace to a power supply.

\* Please check the kit for signs of damage before every use. If the damage is unrepairable contact the manufacturer for spares and repairs.

\* If sanding is required wear a protective mask and gloves in a well-ventilated area.

\* Electrostatic Discharge Precautions are recommended when handling electronic components.

## IMPORTANT!

\* Be sure to double-check you have wired your voltage and ground connections (and all other connections) correctly to avoid damaging components and modules.

\* If you make mistakes with your wiring you might notice modules overheating. If you notice any burning smells unplug your battery connection immediately and do not touch your components as they could be too hot to touch.

\* Check all connections at the end of the circuit build and again at the end of the final build.

## SYMBOLS

### INFORMATION MARK SYMBOL:



This symbol indicates that all users should read the manual before operating this product.

## BATTERY

Please use supplied battery pack to power your GFG Blast Furnace.

\* Do not strike or hit the battery.

\* Do not expose a battery to fire or excessive temperature. Exposure to fire or temperature above 100°C may cause an explosion.

+\* Dispose of used batteries according to local regulations.

\* Avoid placing the product in contact with water.



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Learning. Made Fun

## RECYCLING AND ENVIRONMENT INFORMATION

Some larger retailers may accept small waste electronic products free of charge. Please ask your local retailer if this service is available for the products you wish to dispose of. In so doing, you will help to conserve natural resources and improve standards of environmental protection in treatment and disposal of electrical waste. This symbol may be used on batteries in combination with



additional chemical symbols. The chemical symbols for mercury (Hg) or lead (Pb) will appear if the battery contains more than 0.0005% mercury or more than 0.004% lead.

## CARE AND MAINTENANCE

Always keep the GFG Blast Furnace and associated parts clean and clear of any dirt and/ or foreign objects. Cleaning should be done with antibacterial wipes avoid using harsh chemicals or water and avoid contact with any of the electronics. Fully check the build before every use for loose connections, damage or abnormal operation.

## DISCLAIMER

This product is sold in kit form. It is solely the responsibility of the customer to construct the kit in a safe and appropriate manner, and in accordance with the best practices outlined in this manual. This product is not a toy.

The use of spare or replacement components unapproved by Rewise Learning may cause damage or malfunction to the product. Rewise Learning accepts no responsibility for product damage or malfunction due to the use of third party components.

Rewise Learning shall not be responsible to customers or any third party for any consequential, incidental or indirect damages, including but not limited to loss of profits, loss of data, revenues, sales, business, goodwill or use.

Rewise Learning does not provide any warranty or guarantee as to the accuracy, timeliness, performance, completeness or suitability of the information, materials or services found or offered with our products for any particular purpose. You acknowledge that such information, materials and services may contain inaccuracies or errors and we expressly exclude liability for any such inaccuracies or errors to the fullest extent permitted by law.

## DECLARATION OF CONFORMITY

We the undersigned, declare under our sole responsibility that the product to which this declaration relates conforms to the essential requirements of the applicable EU directives by application of the harmonised standards detailed here within.

Rewise Learning Limited,  
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## PRODUCT

Rewise GFG Blast Furnace Kit

## PRODUCT DESCRIPTION

The product is a self-build Product\_description acting as a fun, engaging and interactive introduction to the world of coding, robotics and STEAM (Science, Technology, Engineering-Arts and Maths).

## APPLICABLE DIRECTIVE

2014/53/EU – Radio Equipment Directive (RED)  
2011/65/EU – Restriction of certain Hazardous Substances in electrical and electronic equipment (RoHS)

## HARMONISED STANDARDS APPLIED FOR EACH DIRECTIVE

RED Article 3.1a (Safety) –

EN 62368-1:2014 - Audio/video, information and communication technology equipment - Part 1: Safety requirements.

EN 62311:2008 - Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz).

RED Article 3.1.b (EMC) –

EN 301 489-1 V2.1.1 - Common Technical Requirements

EN 301 489-17 V3.1.1 - Broadband Data Transmission Systems

RED Article 3.2 (Radio) –

EN 300 328 V2.1.1 - Wideband transmission systems

RoHS –

EN 50581:2012

For a signed copy contact [info@learnthrumusic.co.uk](mailto:info@learnthrumusic.co.uk)

## RED STATEMENT ALL LANGUAGES

BG- С настоящото Rewise Learning LTD декларира, че този тип радиосъоръжение GFG Blast Furnace е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: [www.rewise.co.uk](http://www.rewise.co.uk)

CS- Tímto Rewise Learning LTD prohlašuje, že typ rádiového zařízení GFG Blast Furnace je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: [www.rewise.co.uk](http://www.rewise.co.uk)

DA- Hermed erklærer Rewise Learning LTD, at radioudstyrtypen GFG Blast Furnace er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: [www.rewise.co.uk](http://www.rewise.co.uk)

DE- Hiermit erklärt Rewise Learning LTD, dass der Funkanlagentyp GFG Blast Furnace der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: [www.rewise.co.uk](http://www.rewise.co.uk)

EL- Με την παρούσα ο/η Rewise Learning LTD, δηλώνει ότι ο ραδιοεξοπλισμός GFG Blast Furnace πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: [www.rewise.co.uk](http://www.rewise.co.uk)

EN- Hereby, Rewise Learning LTD declares that the radio equipment type GFG Blast Furnace is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.rewise.co.uk](http://www.rewise.co.uk)

ES- Por la presente, Rewise Learning LTD declara que el tipo de equipo radioeléctrico GFG Blast Furnace es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: [www.rewise.co.uk](http://www.rewise.co.uk)

ET- Käesolevaga deklareerib Rewise Learning LTD, et käesolev raadioseadme tüüp GFG Blast Furnace vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: [www.rewise.co.uk](http://www.rewise.co.uk)

FI- Rewise Learning LTD vakuuttaa, että radiolaitetyypin GFG Blast Furnace on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti onsaatavilla seuraavassa internetosoitteessa: [www.rewise.co.uk](http://www.rewise.co.uk)

FR- Le soussigné, Rewise Learning LTD, déclare que l'équipement radioélectrique du type GFG Blast Furnace est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: [www.rewise.co.uk](http://www.rewise.co.uk)

HR- Rewise Learning LTD ovime izjavljuje da je radijska oprema tipa GFG Blast Furnace u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: [www.rewise.co.uk](http://www.rewise.co.uk)

HU- Rewise Learning LTD igazolja, hogy a GFG Blast Furnace típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: [www.rewise.co.uk](http://www.rewise.co.uk)

IT- Il fabbricante, Rewise Learning LTD, dichiara che il tipo di apparecchiatura radio GFG Blast Furnace è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: [www.rewise.co.uk](http://www.rewise.co.uk)

LT- Aš, Rewise Learning LTD, patvirtinu, kad radijo įrenginių tipas GFG Blast Furnace atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: [www.rewise.co.uk](http://www.rewise.co.uk)

LV- Ar šo Rewise Learning LTD deklarē, ka radioiekārtā GFG Blast Furnace atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: [www.rewise.co.uk](http://www.rewise.co.uk)

MT- B'dan, Rewise Learning LTD, niddikjara li dan it -tip ta' taghmir tar - radju GFG Blast Furnace huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformita' tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: [www.rewise.co.uk](http://www.rewise.co.uk)

NL- Hierbij verklaar ik, Rewise Learning LTD, dat het type radioapparatuur GFG Blast Furnace conform is met Richtlijn 2014/53/UE. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: [www.rewise.co.uk](http://www.rewise.co.uk)

PL- Rewise Learning LTD niniejszym oświadczam, że typ urządzenia radiowego GFG Blast Furnace jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: [www.rewise.co.uk](http://www.rewise.co.uk)

P- O(a) abaixo assinado(a) Rewise Learning LTD declara que o presente tipo de equipamento de rádio GFG Blast Furnace está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: [www.rewise.co.uk](http://www.rewise.co.uk)

RO- Prin prezenta, Rewise Learning LTD declară că tipul de echipamente radio GFG Blast Furnace este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: [www.learnthrumusic.co.uk](http://www.learnthrumusic.co.uk)

SK- Rewise Learning LTD týmto vyhlasuje, že rádiové zariadenie typu GFG Blast Furnace je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: [www.rewise.co.uk](http://www.rewise.co.uk)

SL- Rewise Learning LTD potrjuje, da je tip radijske opreme GFG Blast Furnace skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: [www.rewise.co.uk](http://www.rewise.co.uk)

SV- Härmed försäkrar Rewise Learning LTD att denna typ av radioustrustning GFG Blast Furnace överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: [www.rewise.co.uk](http://www.rewise.co.uk)

## CONTACT DETAILS

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