

## User Manual

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BST30 Bluetooth Keypad and Compact Amplifier System

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English •

# English

## KEF Bluetooth Keypad and Compact Amplifier System

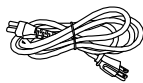
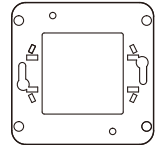
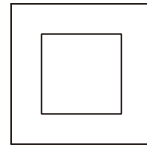
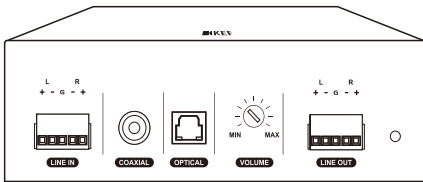
English

### Introduction

Thank you for purchasing KEF Bluetooth keypad and compact amplifier system (BTS30). We are confident that your BTS30 will provide reliable, high performance sound for many years to come.

Please read this manual fully before you attempt any connection to the BTS30.

### In the box



x1



x1



x2



x2



x6



x1

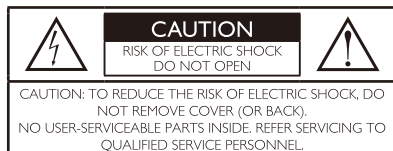
Contents vary by region.

# Important safety instructions

- Follow this manual carefully for best results from your speakers
- Read and return warranty card
- Clean with a dry lint free cloth
- Do not use spirit based cleaners
- Avoid damp
- Avoid temperature extremes
- Avoid direct sunlight
- SAFETY NOTICE! trailing cables are dangerous, secure all cables

## WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE



### Explanation of Graphical Symbols



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the products enclosure that may be of a sufficient magnitude to constitute a risk of electrical shock to persons.



The exclamation mark within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

### WARNING:

Due to the mains switch being located on the rear panel, the appliance must be located in an open area without anything obstructing access to the mains switch. The apparatus should be connected to a mains socket with a protective earthing connection.



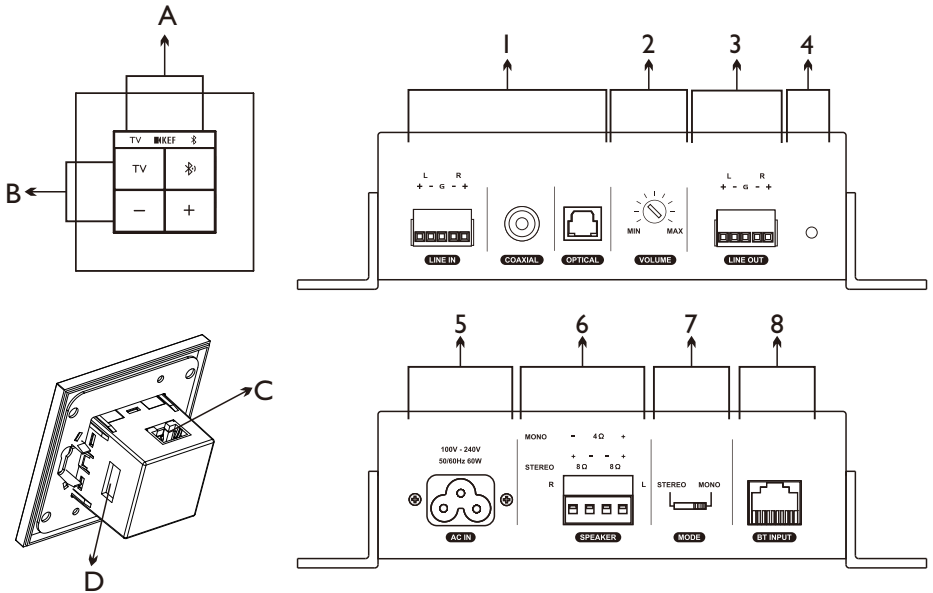
Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

Please take heed of the following before using the KEF Model BTS30. Note also that the word "appliance" shall refer to the KEF BTS30 or any part of it.

1. **Read Instructions** – All the Safety and Operating Instructions should be read before the appliance is operated.
2. **Retain Instructions** – The Safety and Operating Instructions should be retained for future reference.
3. **Heed Warnings** – All warnings on the appliance and in the Operating Instructions should be adhered to.
4. **Follow Instructions** – All Operating and Use Instructions should be followed. Only use attachments/accessories specified by the manufacturer.
5. **Important** – Do not defeat the safety purpose of the polarized or grounding type plug. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. Refer all servicing to a qualified service personnel. Servicing is required for any damaged parts such as power-supply cord or plug.
6. **Water and Moisture** – The appliance should not be used in or near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like. The appliance shall not be exposed to dripping or splashing. Care should be taken so that objects containing liquids are not placed upon or spilled into the enclosure through openings and that no objects filled with liquids, such as a vase, shall be placed on the appliance.
7. **Ventilation** – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, or similar surface that may block any ventilation openings.
8. **Heat** – The appliance should be situated away from heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.
9. **Power Sources** – The appliance should be connected to a power supply only of the type described in the Operating Instructions or as marked on the appliance and it shall remain readily operable. Mains plug is used as the disconnect device. To be completely disconnected from the power input, the mains plug of the appliance must be disconnected from the mains completely.
10. **Power-cord Protection** – Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles and the point where they exit from the appliance. The main plug should not be obstructed OR should be easily accessed during intended use.
11. **Attachments and Accessories** – Use only attachments/accessories specified by the manufacturer.
12. **Handling** – The appliance should be transported with the cart, stand, tripod, bracket, or table specified by manufacturer; or sold with the apparatus. When a cart is used, use caution when moving the cart/appliance combination to avoid injury from tip-over.
13. **Non-use Periods** – Unplug this appliance during lightning storms or when unused for long periods of time.
14. **Damage Requiring Service** – The appliance should be serviced by qualified service personnel when:
  - a) The power supply cord or the plug has been damaged; or
  - b) Objects have fallen or liquid has been spilled into the appliance; or
  - c) The appliance has been exposed to rain; or
  - d) The appliance does not appear to operate normally or exhibits a marked change in performance; or
  - e) The appliance has been dropped or the enclosure damaged.
15. **Servicing** – The user shall not attempt to service the appliance beyond that described in the Operating Instructions. All other servicing should be referred to qualified service personnel.

# Controls and connections

English



## Keypad

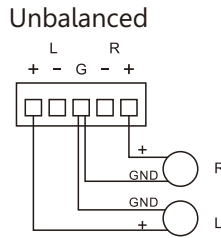
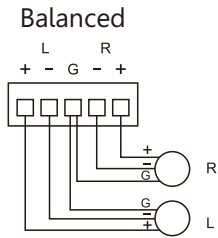
- A. Source LED indicators – TV, Bluetooth
- B. Control Keys – TV, Bluetooth, Vol +/-
- C. RJ-45 connector – Keypad unit output
- D. Bluetooth ID update port

## Amplifier

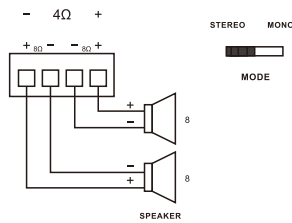
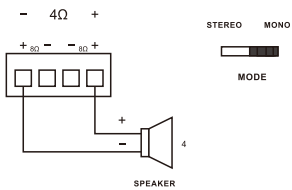
- 1. Input connectors – Analog, Coaxial, Optical
- 2. Volume limit knob
- 3. Line output connector
- 4. Amplifier status LED indicator
- 5. AC Main power input
- 6. Loudspeaker output connector
- 7. Output mode selector – Stereo, Mono
- 8. RJ-45 connector – Keypad unit input

# Controls and connections

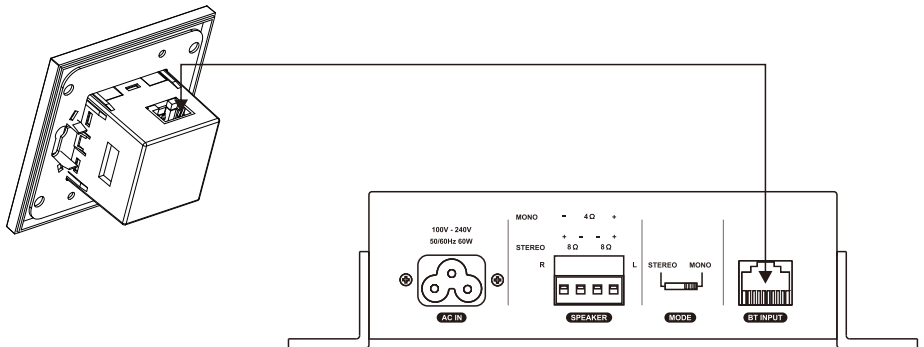
## Wiring analog input/output connector



## Wiring loudspeaker output connector



RJ-45 connection (T-568B) between Keypad unit and Amplifier, Max. 20 meters

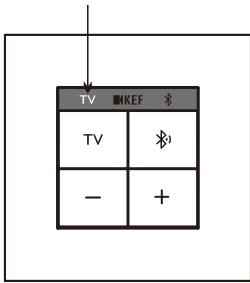


# Get started

English

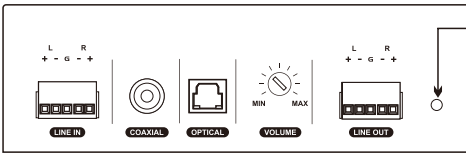
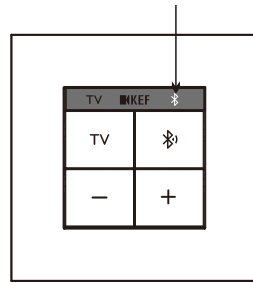
TV LED status:

- TV Green LED ON = TV source ( optical/ coaxial/ line-in) activate
- TV Green LED OFF = no TV source for 30 second



BT LED status:

- Bluetooth Blue LED flash = Discoverable mode
- Bluetooth Blue LED ON = Connected



Amplifier unit LED status:

- Red = Standby,
- Blue = ON,
- Blue&Red = Fault

## Operation:

- Short press Bluetooth button to activate discoverable mode (1 min)
- When Bluetooth discoverable mode time out, the system will switch to TV source
- Pause Bluetooth source, Bluetooth source will switch to TV source within 15s,
- Play Bluetooth source again, TV source will switch to Bluetooth source within 5s
- When playing Bluetooth source, press TV button to switch to TV source
- Press Bluetooth button again, auto connect to Bluetooth device

## TV input priority:

- Optical ->Coaxial ->Line-in

## Mute / Unmute

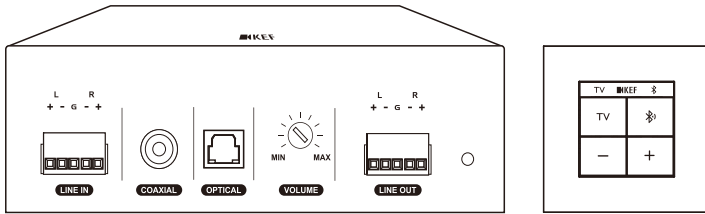
- Press TV button to mute TV source, TV LED will turn OFF
- Press TV/VOL+/VOL- to unmute

## Clear BT ID

- Long press Bluetooth for 3-5 seconds

\*Vol+/ Vol- sync with iOS device volume bar

# Specifications



<b>Model</b>	<b>BTS30</b>
Inputs	Bluetooth 4.2 with Qualcomm® aptX™ codec Optical Coaxial Line-in
Output	Stereo Mode 2x15W@8Ω Mono Mode 30W@4Ω Line-Output
Bluetooth Range	10m
Bluetooth Capacity	8 Devices
Bluetooth Frequency	2.4GHz
Bluetooth Power	2.5mW For Class 2
Operation Voltage	100-240VAC
Frequency Response	20Hz-20KHz
EQ Frequency	100Hz +6dB, 10KHz -1dB
Signal To Noise	95dB
Speaker Output Short Circuit Protection	Yes
Dimension	Amplifier Unit: 143mmX125mmX45mm (5.63X4.92X1.77 inch) Control Unit: 45mmX45mmX40mm (1.77X1.77X1.58 inch) Metal Frame: 71mmX71mmX1mm (2.80X2.80X0.04 inch)
Weight	Amplifier Unit: 530g (1.168 lbs) BT Keypad Unit: 40g(0.088 lbs) Metal Frame: 28g(0.061 lbs)

BT Keypad Unit IP64 certified

Amplifier unit: UL2043-approved for use in air handling spaces

For Further information and troubleshooting, please visit the KEF website: [KEF.COM](http://KEF.COM)

KEF reserves the right, in line with continuing research and development, to amend or change specifications. E&OE.

GP Acoustics (UK) Limited  
Eccleston Road, Tovil, Maidstone  
Kent, ME15 6QP UK

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement.

This equipment complies with FCC's RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna(s) must not be co-located or conjunction with any other antenna or transmitter.



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