

User Manual



TRUTH B2030A/B2031A

High-Resolution, Active 2-Way Reference Studio Monitor

Table of Contents

Thank you	2
Important Safety Instructions	3
Legal Disclaimer	3
Limited Warranty	3
1. Introduction	5
1.1 Before you get started	5
2. Control Elements	6
3. Applications	7
3.1 Connection.....	7
3.2 Level setting.....	7
3.3 Speaker placement suggestions.....	7
3.4 Adapting the TRUTH to the room acoustics.....	8
4. Installation	9
5. Specifications.....	10

Thank you

Congratulations! With our new BEHRINGER TRUTH you have purchased one of the best high-resolution active studio monitors available. It is a tool that reproduces your program material with highest fidelity and balance, positioning sound sources accurately on the stereo basis.

EN Important Safety Instructions



Terminals marked with this symbol carry electrical current of sufficient magnitude to constitute risk of electric shock. Use only high-quality commercially-available speaker cables with ¼" TS plugs pre-installed. All other installation or modification should be performed only by qualified personnel.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure - voltage that may be sufficient to constitute a risk of shock.



This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.



Caution

To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user serviceable parts inside. Refer servicing to qualified personnel.



Caution

To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.



Caution

These service instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operation instructions. Repairs have to be performed by qualified service personnel.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Use only attachments/accessories specified by the manufacturer.



12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid

injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.

16. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



Legal Disclaimer

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Road Town, Tortola, British Virgin Islands

Limited Warranty

§ 1 Warranty

1 This limited warranty is valid only if you purchased the product from a BEHRINGER authorized dealer in the country of purchase. A list of authorized dealers can be found on BEHRINGER's website behringer.com under "Where to Buy", or you can contact the BEHRINGER office closest to you.

2 MUSIC Group* warrants the mechanical and electronic components of this product to be free of defects in material and workmanship if used under normal operating conditions for a period of one (1) year from the original date of purchase (see the Limited Warranty terms in § 4 below), unless a longer minimum warranty period is mandated by applicable local laws. If the product shows any defects within the specified warranty period and that defect is not excluded under § 4, MUSIC Group shall, at its discretion, either replace or repair the product using suitable new or reconditioned product or parts. In case MUSIC Group decides to replace the entire product, this limited warranty shall apply to the replacement product for the remaining initial warranty period, i.e., one (1) year (or otherwise applicable minimum warranty period) from the date of purchase of the original product.

3 Upon validation of the warranty claim, the repaired or replacement product will be returned to the user freight prepaid by MUSIC Group.

4 Warranty claims other than those indicated above are expressly excluded.

PLEASE RETAIN YOUR SALES RECEIPT. IT IS YOUR PROOF OF PURCHASE COVERING YOUR LIMITED WARRANTY. THIS LIMITED WARRANTY IS VOID WITHOUT SUCH PROOF OF PURCHASE.

§ 2 Online registration

Please do remember to register your new BEHRINGER equipment right after your purchase at behringer.com under "Support" and kindly read the terms and conditions of our limited warranty carefully. Registering your purchase and equipment with us helps us process your repair claims quicker and more efficiently. Thank you for your cooperation!

§ 3 Return materials authorization

1 To obtain warranty service, please contact the retailer from whom the equipment was purchased. Should your BEHRINGER dealer not be located in your vicinity, you may contact the BEHRINGER distributor for your country listed under "Support" at behringer.com. If your country is not listed, please check if your problem can be dealt with by our "Online Support" which may also be found under "Support" at behringer.com. Alternatively, please submit an online warranty claim at behringer.com BEFORE returning the product. All inquiries must be accompanied by a description of the problem and the serial number of the product. After verifying the product's warranty eligibility with the original sales receipt, MUSIC Group will then issue a Return Materials Authorization ("RMA") number.

② Subsequently, the product must be returned in its original shipping carton, together with the return authorization number to the address indicated by MUSIC Group.

③ Shipments without freight prepaid will not be accepted.

§ 4 Warranty Exclusions

① This limited warranty does not cover consumable parts including, but not limited to, fuses and batteries. Where applicable, MUSIC Group warrants the valves or meters contained in the product to be free from defects in material and workmanship for a period of ninety (90) days from date of purchase.

② This limited warranty does not cover the product if it has been electronically or mechanically modified in any way. If the product needs to be modified or adapted in order to comply with applicable technical or safety standards on a national or local level, in any country which is not the country for which the product was originally developed and manufactured, this modification/adaptation shall not be considered a defect in materials or workmanship. This limited warranty does not cover any such modification/adaptation, regardless of whether it was carried out properly or not. Under the terms of this limited warranty, MUSIC Group shall not be held responsible for any cost resulting from such a modification/adaptation.

③ This limited warranty covers only the product hardware. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the product. Any such software is provided "AS IS" unless expressly provided for in any enclosed software limited warranty.

④ This limited warranty is invalid if the factory-applied serial number has been altered or removed from the product.

⑤ Free inspections and maintenance/repair work are expressly excluded from this limited warranty, in particular, if caused by improper handling of the product by the user. This also applies to defects caused by normal wear and tear, in particular, of faders, crossfaders, potentiometers, keys/buttons, guitar strings, illuminants and similar parts.

⑥ Damage/defects caused by the following conditions are not covered by this limited warranty:

- improper handling, neglect or failure to operate the unit in compliance with the instructions given in BEHRINGER user or service manuals;
- connection or operation of the unit in any way that does not comply with the technical or safety regulations applicable in the country where the product is used;
- damage/defects caused by acts of God/Nature (accident, fire, flood, etc) or any other condition that is beyond the control of MUSIC Group.

⑦ Any repair or opening of the unit carried out by unauthorized personnel (user included) will void the limited warranty.

⑧ If an inspection of the product by MUSIC Group shows that the defect in question is not covered by the limited warranty, the inspection costs are payable by the customer.

⑨ Products which do not meet the terms of this limited warranty will be repaired exclusively at the buyer's expense. MUSIC Group or its authorized service center will inform the buyer of any such circumstance. If the buyer fails to submit a written repair order within 6 weeks after notification, MUSIC Group will return the unit C.O.D. with a separate invoice for freight and packing. Such costs will also be invoiced separately when the buyer has sent in a written repair order.

⑩ Authorized BEHRINGER dealers do not sell new products directly in online auctions. Purchases made through an online auction are on a "buyer beware" basis. Online auction confirmations or sales receipts are not accepted for warranty verification and MUSIC Group will not repair or replace any product purchased through an online auction.

§ 5 Warranty transferability

This limited warranty is extended exclusively to the original buyer (customer of authorized retail dealer) and is not transferable to anyone who may subsequently purchase this product. No other person (retail dealer, etc.) shall be entitled to give any warranty promise on behalf of MUSIC Group.

§ 6 Claim for damage

Subject only to the operation of mandatory applicable local laws, MUSIC Group shall have no liability to the buyer under this warranty for any consequential or indirect loss or damage of any kind. In no event shall the liability of MUSIC Group under this limited warranty exceed the invoiced value of the product.

§ 7 Limitation of liability

This limited warranty is the complete and exclusive warranty between you and MUSIC Group. It supersedes all other written or oral communications related to this product. MUSIC Group provides no other warranties for this product.

§ 8 Other warranty rights and national law

① This limited warranty does not exclude or limit the buyer's statutory rights as a consumer in any way.

② The limited warranty regulations mentioned herein are applicable unless they constitute an infringement of applicable mandatory local laws.

③ This warranty does not detract from the seller's obligations in regard to any lack of conformity of the product and any hidden defect.

§ 9 Amendment

Warranty service conditions are subject to change without notice. For the latest warranty terms and conditions and additional information regarding MUSIC Group's limited warranty, please see complete details online at behringer.com.

* MUSIC Group Macao Commercial Offshore Limited of Rue de Pequim No. 202-A, Macau Finance Centre 9/J, Macau, including all MUSIC Group companies

1. Introduction

The TRUTH features two separate amplifiers for bass and high frequencies, sporting loads of power reserve. On the bass end, a long-excursion woofer embedded in a sturdy cast-aluminum casing springs into action. The scope is broadened downward by using a special bass reflex system. In the upper frequency range, a specially developed dome tweeter provides for subtle signal reproduction. The chassis and the amplifiers are protected from overload using a sophisticated circuitry. The speakers are magnetically shielded, so you can use your TRUTH near computer monitors or TV sets. The audio signal is separated using an active crossover that guarantees accurate frequency separation and perfect tuning of both speakers among each other.

We recommend that you experiment with your TRUTH away from the pressures of a recording session, in order to get a feel for it. It will be a good idea to listen to your favorite CD's over the TRUTH, so that you can get an impression of the neutral sound this speaker produces—which might be somewhat unusual at first!

- ◆ **The following user's manual is intended to familiarize you with the unit's control elements, so that you can master all the functions. After having thoroughly read the user's manual, store it at a safe place for future reference.**



Caution

- ◆ **The TRUTH is capable of producing extreme volumes. Please bear in mind, that high sound pressures do not only temporarily damage your sense of hearing, but can also cause permanent damage. Be careful to select a suitable volume.**

1.1 Before you get started

1.1.1 Shipment

The TRUTH was carefully packed at the factory to assure secure transport. Should the condition of the cardboard box suggest that damage may have taken place, please inspect the unit immediately and look for physical indications of damage.

- ◆ **Damaged units should NEVER be sent directly to us. Please inform the dealer from whom you acquired the unit immediately as well as the transportation company from which you took delivery of the unit. Otherwise, all claims for replacement/repair may be rendered invalid.**

1.1.2 Initial operation

Please make sure the unit is provided with sufficient ventilation, and never place the TRUTH on top of an amplifier or in the vicinity of a heater to avoid the risk of overheating.

- ◆ **Before plugging the unit into a power socket, please make sure you have selected the correct voltage:**

The fuse compartment near the power plug socket contains three triangular markings. Two of these triangles are opposite one another. The voltage indicated adjacent to these markings is the voltage to which your unit has been set up, and can be altered by rotating the fuse compartment by 180°.



Caution

- ◆ **This does not apply to export models that were for example manufactured only for use with 120 V!**
- ◆ **If you alter the unit's voltage, you must change the fuse accordingly. The correct value of the fuse needed can be found in the chapter "Specifications".**
- ◆ **Faulty fuses must be replaced with fuses of appropriate rating without exception! The correct value of the fuses needed can be found in the chapter "Specifications".**

Power is delivered via the cable enclosed with the unit. All required safety precautions have been adhered to.

- ◆ **Please make sure that the unit is grounded at all times. For your own protection, you should never tamper with the grounding of the cable or the unit itself.**
- ◆ **The sound quality may diminish within the range of powerful broadcasting stations and high-frequency sources. Increase the distance between the transmitter and the device and use shielded cables for all connections.**

1.1.3 Online registration

Please register your new BEHRINGER equipment right after your purchase by visiting <http://behringer.com> and read the terms and conditions of our warranty carefully.

Should your BEHRINGER product malfunction, it is our intention to have it repaired as quickly as possible. To arrange for warranty service, please contact the BEHRINGER retailer from whom the equipment was purchased. Should your BEHRINGER dealer not be located in your vicinity, you may directly contact one of our subsidiaries. Corresponding contact information is included in the original equipment packaging (Global Contact Information/European Contact Information). Should your country not be listed, please contact the distributor nearest you. A list of distributors can be found in the support area of our website (<http://behringer.com>).

Registering your purchase and equipment with us helps us process your repair claims more quickly and efficiently.

Thank you for your cooperation!

2. Control Elements

The control elements described in the following are the same on both loudspeakers.

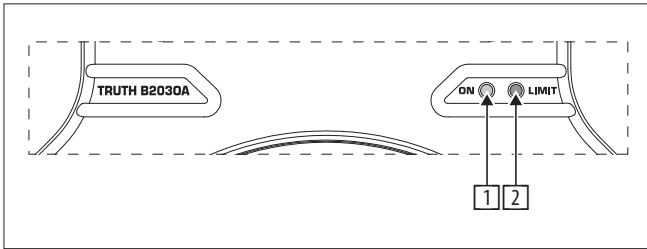


Fig. 2.1: Front panel display elements (here: B2030A)

- 1 **ON:** This LED lights up as soon as you switch on the speaker.
- 2 **LIMIT:** Lights up as soon as one of the built-in protections is activated.

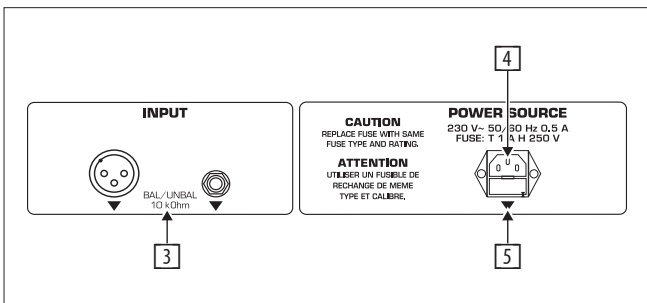


Fig. 2.2: Rear panel connectors

All connectors of the TRUTH face downwards, so as to allow you to place the speaker as closely to a wall as possible.

- 3 **INPUT:** These are the balanced inputs of your TRUTH, laid out as ¼" TRS and XLR connectors.
 - 4 The mains connection is achieved via the standard IEC connector. A matching power cord is included.
 - 5 **FUSE COMPARTMENT/VOLTAGE SELECTION:** Before plugging the unit into a power socket, please make sure you have selected the correct voltage. Faulty fuses must be replaced with fuses of appropriate rating without exception. Some units feature a fuse compartment that can be operated in two different positions, allowing alternating between 230 V and 120 V.
- ♦ **When using the unit outside of Europe (running on 120 V), you have to implement a fuse with a higher rating.**

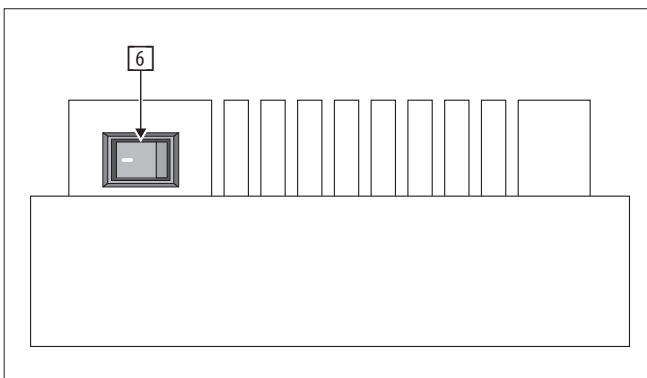


Fig. 2.3: The POWER switch

- 6 Use the **POWER** switch to power up your TRUTH. The POWER switch should always be in the "Off" position when you are about to connect your unit to the mains.



Caution

- ♦ The **POWER** switch does not fully disconnect the unit from the mains. Unplug the power cord completely when the unit is not used for prolonged periods of time.
- ♦ The TRUTH should be the last device in the signal chain to be switched on and the first to be switched off. This way, loud switch-on "thumps" that can occur when powering other equipment on or off can be avoided.

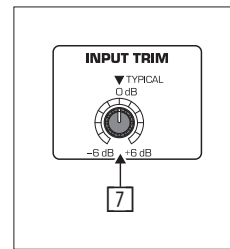


Fig. 2.4: INPUT TRIM control

- 7 **INPUT TRIM:** Use this control to adapt the TRUTH's input sensitivity to the signal source.

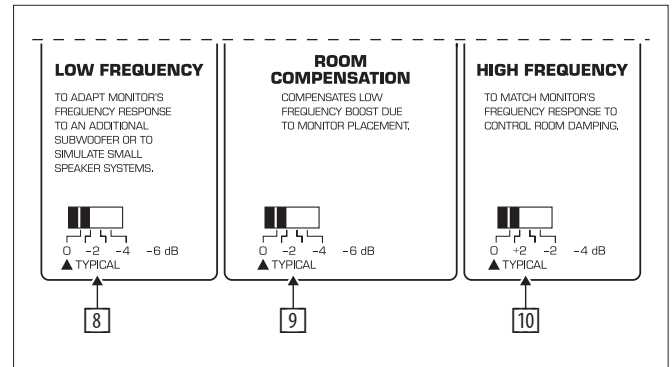


Fig. 2.5: Rear panel control elements

- 8 **LOW FREQUENCY:** With this switch you can adapt the woofer to a subwoofer system or emulate the sound characteristics of small speaker systems.
- 9 **ROOM COMPENSATION:** For maximum flexibility the TRUTH features a switch that adjusts the speaker depending on its setup position.
- 10 **HIGH FREQUENCY:** This switch adapts the speaker's frequency response to the damping characteristics of the control room.

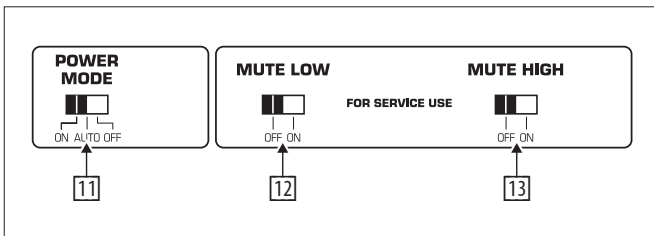


Fig. 2.6: Rear panel control elements

The following control elements are found only on the B2031A:

- 11 **POWER MODE:** This switch allows you to toggle between “ON”, “OFF” and “AUTO” power-up modes (see chapter 3.1).
- 12 **MUTE LOW:** Disables the woofer for servicing and maintenance.
- 13 **MUTE HIGH:** Disables the tweeter for servicing and maintenance.

3. Applications

3.1 Connection

Use the enclosed power cord to connect the TRUTH to the mains. To avoid ground loops, both speakers and the mixing console should be fed from the same outlet. For your convenience, the B2031A features an automatic power-up system which activates the TRUTH as soon as a signal is present on its input, and deactivates the speaker after signal pauses of more than five minutes (only B2031A).

Function: The switch for the automatic power-up system 11 has three positions. When set to OFF, the speaker is completely switched off and cannot be activated with the POWER switch 6. Position AUTO allows the automatic operation as mentioned above. In position ON, the B2031 is activated all the time and can be switched off only with switch 6.

- ◆ **Be sure to switch the TRUTH off with the POWER switch during longer pauses.**

Now connect both speakers to your console by means of commercial XLR or TRS cables. Since the TRUTH is an active speaker system, instead of conventional speaker cables you will need normal TRS or XLR cables.

Connect the TRUTH to the control room outputs of your console, so as to be able to control the monitoring volume independently of the main mix level. If your console does not have such outputs, you can also use the main mix outputs. However, in this case the speaker volume cannot be set independently of the main mix level, i.e. you must adjust the monitoring volume on the TRUTH. Please consult the operating instructions accompanying your console to find out whether it has balanced or unbalanced outputs. Connect these outputs to the TRS or XLR 3 input. If possible use the balanced connectors, so as to avoid interference and hum. It won't help, however, to connect unbalanced outputs with balanced inputs. The benefits mentioned above will apply only when both inputs and outputs are of the balanced type.

- ◆ **Be sure to mute the signal sources before you put the TRUTH into operation.**

Once the TRUTH has been connected as described above, you can activate the speaker with the POWER switch.

3.2 Level setting

When the TRUTH has been connected properly and switched on, you can now turn up the console output that feeds the B2030A/B2031A. Provided you have a signal source connected, you now hear the audio material as it is played back by the TRUTH. The INPUT TRIM control 7 on the rear panel is set to 0 dB ex-factory, i.e. unity gain, which is okay when you feed the TRUTH from a pro-level console. In this case, the TRUTH automatically operates at maximum level, provided that your console has been set up correctly and its output is set to 0 dB.

The LIMIT LED 2 helps you control the level. It lights up as soon as overloading causes one of the internal protections to respond. The TRUTH doesn't get damaged when the LIMIT LED lights up with occasional signal peaks. However, please make sure that it won't light up all the time, because sooner or later this will activate the thermal protection system and temporarily mute the built-in amplifiers, to warn you that you are driving the TRUTH too hard. If so, you can reduce levels either on your console or using the INPUT TRIM control 7. If the outputs on your console don't provide studio-level signals, you can turn up the INPUT TRIM control. If you connect the TRUTH to the preamp output of your stereo system, it may also be necessary to raise the level on the TRUTH itself. To build up a rudimentary stereo system, you can directly connect the outputs of a CD player to the TRUTH's inputs, and use the CD player to adjust the volume.

- ◆ **The TRUTH is capable of producing high volume levels. You should mix your recordings at moderate levels, so as to avoid listening fatigue and hearing impairment.**

3.3 Speaker placement suggestions

Since the sound of a speaker depends to a great extent on its surroundings, placing your TRUTH correctly is very important. Please try to follow these suggestions through. Your efforts will be rewarded with better sound and higher resolution.

Both speakers are built identically. There is no need to concern yourself with which speaker should be placed left and which speaker should be placed right. Place the TRUTH on a flat and stable surface, if possible use a dedicated speaker stand. In this way, the speaker is acoustically decoupled and won't induce vibrations in nearby objects, which would affect the bass response. If you cannot use a stand, put the TRUTH on spikes or damping foam material. Another aspect is the distance between speaker and wall: keep the speaker away from the wall, as this would emphasize the bass response, particularly in corners, where two walls form an angle.

The BEHRINGER TRUTH B2030A/B2031A are so-called near-field monitors, which means that the impact of the room acoustics on the sound will be reduced considerably owing to the short distance between speaker and listener.

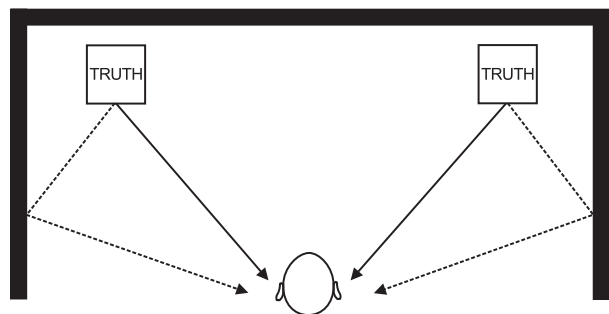


Fig. 3.1: Incorrect speaker setup

This illustration shows how you shouldn't do it: you can clearly see that a portion of the sound bounces back from the walls before it reaches the listener's ears. Thus, direct and reflected sound waves overlap which results in a coloration of the sound.

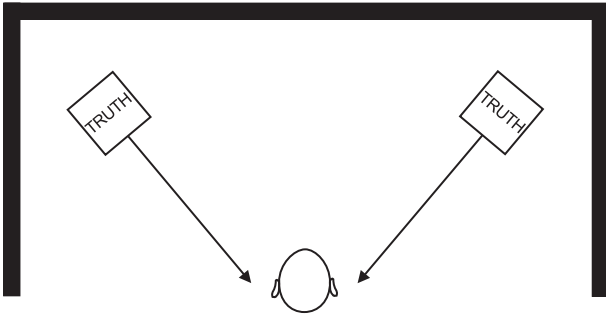


Fig. 3.2: Correct speaker setup

This effect can be reduced by turning the speakers towards the listener. To make reflections from ceiling or floor less likely, the tweeters should be on the same height as your ears. Please note that the TRUTH should be operated vertically. Where this is impossible, place it horizontally as shown in figure 3.3, to allow for an improved stereo image.



Fig. 3.3: TRUTH setup horizontally

Not only the physical location of speakers but also the acoustic characteristics of the room have a substantial effect on the way your TRUTH sounds. Make sure that the room neither sounds too hall-like nor too dull-basically, neither like a bathroom nor totally without an echo. You can alter the room acoustics easily by installing or removing carpets, curtains or furniture. Fabric covering on the wall opposite the speakers might be a good idea if the room is too reflective. The next chapter describes how to adapt the TRUTH to the room acoustics, once it has been set up properly.

3.4 Adapting the TRUTH to the room acoustics

This chapter describes how you can use the switches on the rear of the B2030A/B2031A to adapt the speaker to the acoustics of your control room. However, you should try to improve a potentially impaired sound by optimizing the loudspeaker placement beforehand.

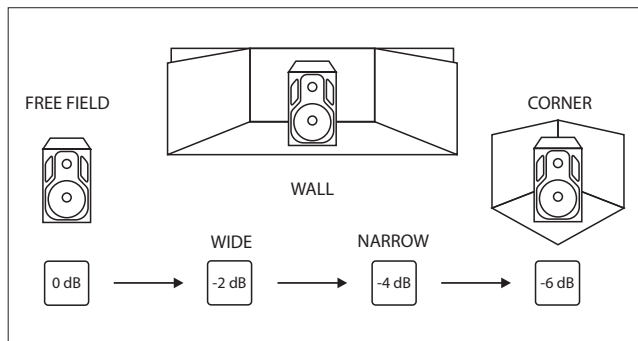


Fig. 3.4: Rear panel legending

If you are still having problems, you could try the following: The ROOM COMPENSATION switch [9] allows you to lower the bass range, depending on the speaker position. Ex-factory, the switch is set to a neutral position. If you've set up the TRUTH close to the wall or in a corner, try reducing the low-frequency level in steps of 2 dB. Since every room and speaker setup are unique in their acoustic properties, we cannot provide more specific information here. The same applies to the HIGH FREQUENCY switch [10], which determines the tweeter level (between +2 dB and -4 dB). Here too, the best setting depends on the room acoustics. If you have an additional subwoofer installed, you can attenuate the TRUTH's lower cutoff frequency using the LOW FREQUENCY switch [8]. This can be necessary when adapting the TRUTH to your subwoofer. Trust your own aural instinct, but don't forget: Listening at high volume levels over long periods leads to listening fatigue and thus reduces your ability to judge the sound. Consequently, we recommend regular pauses to keep your hearing "healthy".

As a general rule, you should set up and adjust the TRUTH with great care. Above all, you should take your time: unlike hi-fi speakers, the B2030A/B2031A is tuned to produce a neutral sound, which can be confusing when you are working for the first time with such a high-quality speaker. Don't try to adjust the TRUTH with its rear panel switches to produce a "bombastic" sound that impresses you or other listeners. To get a feeling for the TRUTH's sound, you should listen to as many records as possible that were produced in other studios. We also recommend that you listen to your own recordings over as many other systems as possible, for example, your car system. If you find that your mixes are somewhat "dull" in their overall sound, the reason might be too much treble from your TRUTH. On the other hand, if you set the bass level too high, you will find that your mixes lack bass power. Tuning a speaker can take several days' time, so once again: take your time!

It might be necessary to insert an equalizer between console and speaker, in particular, if you prefer extreme setups or sound images. The BEHRINGER ULTRACURVE PRO DEQ2496 has proven its usefulness in practice, as it is not only a simple equalizer but also features a real-time analyzer. You can use our measuring microphone ECM8000 to automatically adapt the TRUTH to your room or modify its frequency response.

4. Installation

The BEHRINGER TRUTH features one balanced XLR and one balanced 1/4" TRS input. If connecting to other equipment is possible using balanced inputs, always make such connections because they offer maximal compensation of disturbing signals.

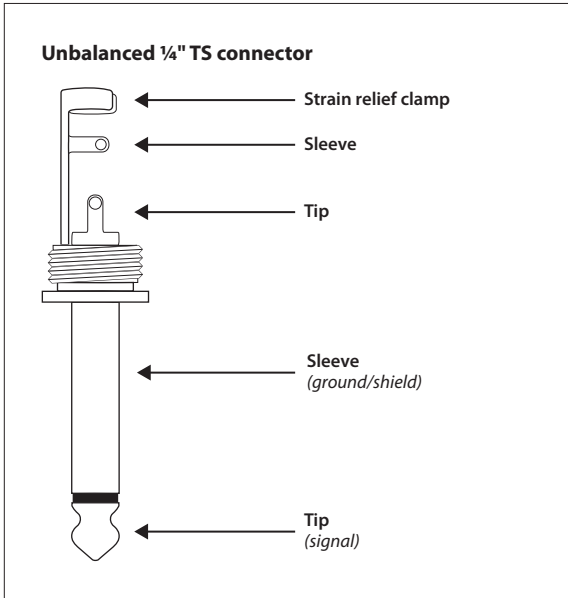


Fig. 4.1: 1/4" TS connector

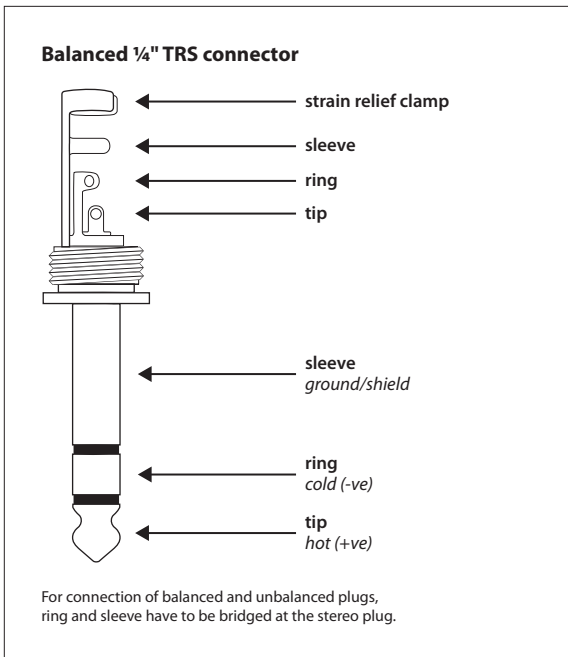


Fig. 4.2: 1/4" TRS connector

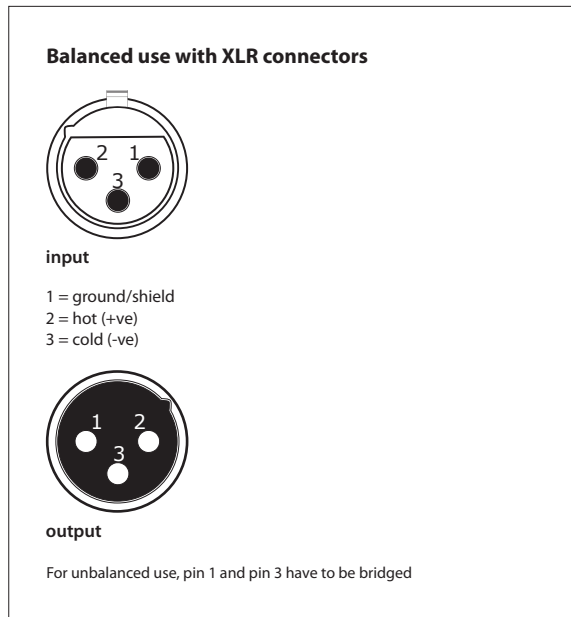


Fig. 4.3: XLR connectors

5. Specifications

Audio Inputs

B2030A/B2031A

XLR connector	servo-balanced input
¼" TRS	servo-balanced input
Input impedance	10 kΩ
Max. input level	+22 dBu

Components

B2030A

Tweeter	¾" ferrofluid-cooled dome
Woofers	6 ¾" polypropylene diaphragm

B2031A

Tweeter	1" ferrofluid-cooled dome
Woofers	8 ¾" polypropylene diaphragm

Amplifier

B2030A

RMS @ 0.1 % THD	70 W
Peak power	125 W

B2031A

RMS @ 0.1 % THD	140 W
Peak power	265 W

Crossover

B2030A/B2031A

Type	active, 4th order Linkwitz-Riley
Crossover frequency	2 kHz

System Specification

B2030A

Frequency response	50 Hz to 21 kHz
Sound pressure level	max. 113 dB SPL @ 1 m (pair)

B2031A

Frequency response	50 Hz to 21 kHz
Sound pressure level	max. 116 dB SPL @ 1 m (pair)

Power Supply

B2030A

Voltage/Fuses

100 - 120 V~, 50/60 Hz	T 2.0 A H 250 V
220 - 230 V~, 50/60 Hz	T 1.6 A H 250 V

Voltage/Supply current

100 - 120 V~, 50/60 Hz	max. 1.0 A
220 - 230 V~, 50/60 Hz	max. 0.5 A

Mains connection Standard IEC connector

B2031A

Voltage/Fuses

100 - 120 V~, 50/60 Hz	T 5.0 A H 250 V
220 - 230 V~, 50/60 Hz	T 2.5 A H 250 V

Voltage/Supply current

100 - 120 V~, 50/60 Hz	max. 2.0 A
220 - 230 V~, 50/60 Hz	max. 1.1 A

Mains connection Standard IEC connector

Dimensions/Weight

B2030A

Dimensions (H x W x D)	12 ½ x 8 ⅝ x 8 ⅓" 317 x 214 x 211 mm
Weight	21 ⅓ lbs / 9.84 kg

B2031A

Dimensions (H x W x D)	15 ¾ x 9 ⅜ x 11 ⅜" 400 x 250 x 290 mm
Weight	33 lbs / 15 kg

BEHRINGER is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications and appearance may differ from those listed or illustrated.



imagine music