

ULTRA-DI DI400P

EN

Thank you for showing confidence in BEHRINGER products by purchasing the ULTRA-DI DI400P. The DI400P is a high-performance passive direct injection box.

◆ Please read the safety instructions that appear at the end of this document.

Being on stage or in the studio, musicians often look for ways to connect certain signal sources directly to the mixing console. Even though this approach has obvious advantages, there are still some

technical hurdles obstructing its implementation. For example, keyboards seldom feature balanced outputs, and guitars can not be directly connected to mixing consoles because of the high impedance of guitar signals.

The DI400P lets you **directly** tap into a high-impedance, unbalanced signal—for example, the signal between a guitar and a guitar amp. From there on, you can feed the signal directly to a mixing console.

1. Control Elements and Connections

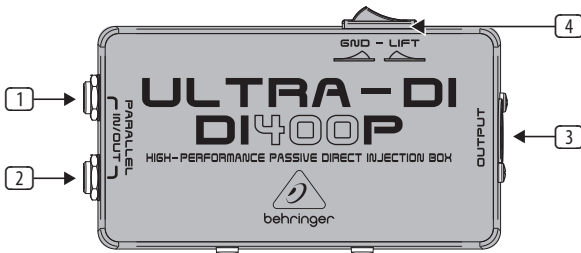


Fig. 1: Top view

- 1 + 2 **PARALLEL IN/OUT** (¼" TS): These connectors are used for connecting unbalanced signal sources. Because both connectors are wired in parallel, they can be used both as an input and as a direct output to loop the signal through to a monitor amplifier.
- 3 **OUTPUT** (XLR): This is the balanced mic-level output. Use a high-quality balanced microphone cable to establish connection.

- 4 Using the **GND LIFT** (ground lift) switch, you can fully separate input and output grounding. Depending on how the equipment to which your DI400P is connected is grounded, using the GND LIFT switch lets you lower hum noise or ground loops. When the GND LIFT switch is in LIFT position, the ground connection is interrupted.

The **SERIAL NUMBER** of the DI400P is located at the bottom.

2. Connecting an Instrument Signal

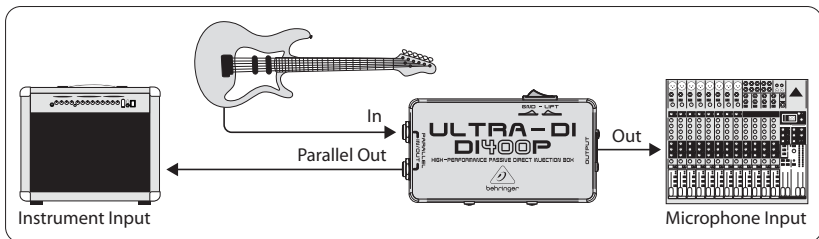


Fig. 2: Guitar → DI-box → guitar amp/mixer

This illustration shows the application of a DI-box. The signal feeding the amplifier remains unchanged; it is simply taken and routed into the amp. The low-impedance balanced signal is forwarded to the mic input of the mixing console. This application has its advantages particularly with bass guitars,

because very few microphones can linearly transmit bass frequencies with high signal levels. If you are using effects, insert the DI400P after the effects device, so that you can monitor the effects via the PA system or the recording as well.

ULTRA-DI DI400P

EN

3. Specifications

Frequency response	40 Hz (-3 dB) to 20 kHz
THD+N (distortion)	0.007% @ 1 kHz, input level +4 dBu
INPUT	¼" TS (unbalanced)
Level change (Input → Output)	-20 dB
OUTPUT	Balanced XLR
Impedance ratio (Input → Output)	110 : 1
Dimensions (H x W x D)	2.6 x 4.7 x 1.4" 66 x 120 x 35 mm
Weight	approx. 0.44 lbs approx. 0.2 kg

BEHRINGER continuously strives to assure the highest quality standards possible. Required modifications may be implemented without prior notice. Technical data and the appearance of the unit may deviate from the above values and/or illustrations.

4. Warranty

For the applicable warranty terms and conditions and additional information regarding MUSIC Group's Limited Warranty, please see complete details online at www.music-group.com/warranty.

EN Important Safety Instructions

- 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) Install in accordance with the manufacturer's instructions.
- 8) Only use attachments/accessories specified by the manufacturer.
- 9) Refer all servicing to qualified service personnel.

Servicing is required when the apparatus has been damaged in any way.

ES Instrucciones de seguridad

- 1) Lea las instrucciones.
 - 2) Conserve estas instrucciones.
 - 3) Preste atención a todas las advertencias.
 - 4) Siga todas las instrucciones.
 - 5) No use este aparato cerca del agua.
 - 6) Limpie este aparato con un paño seco.
 - 7) No instale el equipo cerca de fuentes de calor.
 - 8) Use únicamente los dispositivos o accesorios especificados por el fabricante.
 - 9) Confíe las reparaciones únicamente a servicios técnicos cualificados.
- Se requiere mantenimiento siempre que la unidad haya sufrido algún daño.

CN 重要的安全须知

- 1) 请您阅读这些说明。
 - 2) 请您妥善保存这些说明。
 - 3) 请您注意所有的警告说明。
 - 4) 请您遵守所有的操作说明。
 - 5) 请您不要在水附近运行此机器。
 - 6) 请您用干布清洁此机器。
 - 7) 请您不要将此机器放置在热源附近。
 - 8) 请您只使用制造厂认为合适的附加机器/配件。
 - 9) 请您只允许具备资格的服务人员进行保养工作。
- 当机器有损坏时,要进行维修保养。

RU Указания по технике безопасности

- 1) Прочитайте эти указания.
 - 2) Сохраните эти указания.
 - 3) Выполняйте эти указания.
 - 4) Следуйте всем инструкциям по обслуживанию.
 - 5) Не пользуйтесь прибором в непосредственной близости от воды.
 - 6) Протирайте прибор сухой тряпкой.
 - 7) Не располагайте прибор рядом с источниками тепла.
 - 8) Применяйте только рекомендованные производителем дополнительные приборы/принадлежности.
 - 9) Поручайте выполнение работ по обслуживанию прибора только квалифицированному персоналу сервисной службы.
- Техническое обслуживание требуется если прибор был каким-то образом поврежден.

TECHNICAL SPECIFICATIONS AND APPEARANCES ARE SUBJECT TO CHANGE WITHOUT NOTICE AND ACCURACY IS NOT GUARANTEED. BEHRINGER, KLARK TEKNIK, MIDAS, BUGERA, AND TURBOSOUND ARE PART OF THE MUSIC GROUP (MUSIC-GROUP.COM). ALL TRADEMARKS ARE THE PROPERTY OF THEIR RESPECTIVE OWNERS. MUSIC GROUP ACCEPTS NO LIABILITY FOR ANY LOSS WHICH MAY BE SUFFERED BY ANY PERSON WHO RELIES EITHER WHOLLY OR IN PART UPON ANY DESCRIPTION, PHOTOGRAPH OR STATEMENT CONTAINED HEREIN. COLORS AND SPECIFICATIONS MAY VARY FROM ACTUAL PRODUCT. MUSIC GROUP PRODUCTS ARE SOLD THROUGH AUTHORIZED FULFILLERS AND RESELLERS ONLY. FULFILLERS AND RESELLERS ARE NOT AGENTS OF MUSIC GROUP AND HAVE ABSOLUTELY NO AUTHORITY TO BIND MUSIC GROUP BY ANY EXPRESS OR IMPLIED UNDERTAKING OR REPRESENTATION. THIS MANUAL IS COPYRIGHTED. NO PART OF THIS MANUAL MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING AND RECORDING OF ANY KIND, FOR ANY PURPOSE, WITHOUT THE EXPRESS WRITTEN PERMISSION OF MUSIC GROUP IP LTD.

ALL RIGHTS RESERVED.

© 2013 MUSIC Group IP Ltd.

Trident Chambers, Wickhams Cay, P.O. Box 146,
Road Town, Tortola, British Virgin Islands