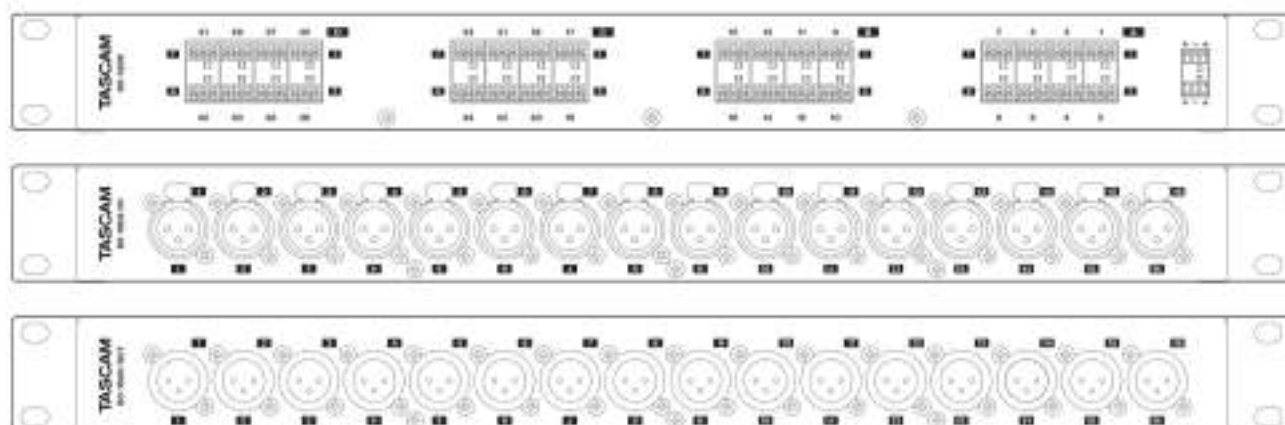


# TASCAM

D01335300A

# BO-32DE BO-16DX/IN BO-16DX/OUT BREAKOUT BOX



OWNER'S MANUAL

ENGLISH

MODE D'EMPLOI

FRANÇAIS

MANUAL DEL USUARIO

ESPAÑOL

BEDIENUNGSANLEITUNG

DEUTSCH

MANUALE DI ISTRUZIONI

ITALIANO

取扱説明書

日本語

- TASCAM is a trademark of TEAC CORPORATION, registered in the U.S. and other countries.
- Other company names, product names and logos in this document are the trademarks or registered trademarks of their respective owners.

## ティアック株式会社

<https://tascam.jp/jp/>

〒206-8530 東京都多摩市落合1-47

---

TEAC AMERICA, INC.

<http://tascam.com/>

Phone: +1-323-726-0303

1834 Gage Road, Montebello, California 90640 USA

---

TEAC UK Ltd.

<http://tascam.eu/>

Phone: +44-8451-302511

2 Huxley Road, Surrey Research Park Guildford, GU2 7RE, United Kingdom

---

TEAC EUROPE GmbH

<http://tascam.eu/>

Phone: +49-611-71580

Bahnstrasse 12, 65205 Wiesbaden-Erbenheim, Germany

---

TEAC SALES & TRADING(SHENZHEN) CO., LTD

Phone: +86-755-88311561~2

Room 817, Block A, Hailun Complex, 6021 Shennan Blvd., Futian District, Shenzhen 518040, China

# OWNER'S MANUAL

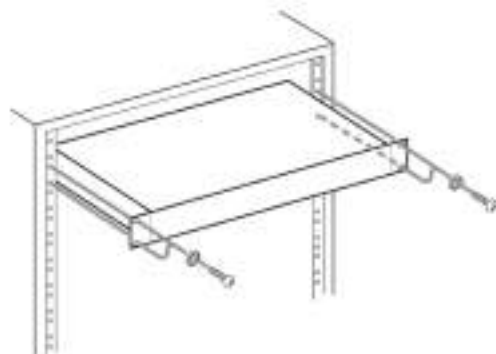
## IMPORTANT SAFETY PRECAUTIONS



This product complies with the European Directives request and the other Commission Regulations.

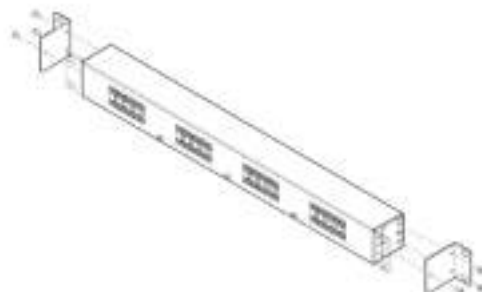
### ■ RACK-MOUNTING THE UNIT

Use the supplied rack-mounting kit to mount the unit in a standard 19-inch rack, as shown below.



The unit can be mounted in a rack facing forward or backward by changing the direction that the rack-mount ears are attached to it.

The rackmount ears can also be removed when using the unit placed on a tabletop.



## IMPORTANT SAFETY INSTRUCTIONS

### ■ For European Customers

#### Disposal of electrical and electronic equipment

- (a) All electrical and electronic equipment should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
- (b) By disposing of the electrical and electronic equipment correctly, you will help save valuable resources and prevent any potential negative effects on human health and the environment.
- (c) Improper disposal of waste equipment can have serious effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment.
- (d) The crossed out wheeled dust bin symbol indicates that electrical and electronic equipment must be collected and disposed of separately from household waste.
- (e) The return and collection systems are available to the end users. For more detailed information about disposal of old electrical and electronic equipment, please contact your city office, waste disposal service or the shop where you purchased the equipment.



## Contents

IMPORTANT SAFETY PRECAUTIONS.....	3
IMPORTANT SAFETY INSTRUCTIONS .....	3
Features.....	4
Items included with this product.....	4
Precautions for placement and use.....	5
Beware of condensation .....	5
Cleaning the unit .....	5
Using the TEAC Global Site.....	5
Product registration.....	5
About TASCAM customer support service .....	5
Names of Parts.....	6
Front panel .....	6
Rear panel .....	7
Connecting Euroblock plugs.....	8
Specifications .....	8
Input and output connectors .....	8
Other.....	8

Thank you very much for purchasing a TASCAM BO-32DE / BO-16DX/IN / BO-16DX/OUT Breakout Box.

Before using this unit, read this Owner's Manual carefully so that you will be able to use it correctly and enjoy working with it for many years. After you have finished reading this manual, please keep it in a safe place for future reference.

You can also download this Owner's Manual from the TEAC Global Site (<http://teac-global.com/>).

## Features

### ● BO-32DE:

- 32 channels from 25-pin D-sub connectors can be transmitted to Euroblock connectors (Euroblock terminals are the same for both input and output, so input/output can be assigned freely in 8-channel groups)
- Euroblock plugs with tabs included

### ● BO-16DX/IN:

- 16 channels from 25-pin D-sub connectors can be transmitted to XLR (female) connectors

### ● BO-16DX/OUT:

- 16 channels from 25-pin D-sub connectors can be transmitted to XLR (male) connectors

- Space is provided above the connectors for placing labels, including signal routing
- The 25-pin D-sub connectors are compliant with AES59-2012 and use TASCAM pin assignments
- Panel indications support upside-down installation
- Compact 1U size with a depth of 45 mm

## Items included with this product

This product includes the following items.

Take care when opening the package to avoid damaging the items. Keep the packing materials for transportation in the future. Please contact the store where you purchased this unit if any of these items are missing or have been damaged during transportation.

- Main unit .....x 1
- Euroblock plug (BO-32DE only) .....x 32
- Cable band kit (BO-32DE only).....x 1
- Rackmount screw kit.....x 1
- Owner's Manual (this document) including warranty .....x 1

---

## Precautions for placement and use

---

- Do not install this unit in the following types of locations. Doing so could cause malfunction.
  - Locations with frequent vibrations
  - Near windows or other places exposed to direct sunlight
  - Near heaters or other extremely hot places
  - Extremely cold places
  - Very humid or poorly ventilated places
  - Very dusty places
- Make sure that the unit is mounted in a level position for correct operation.
- Do not place the unit on top of a power amplifier or other device that generates heat.

---

## Beware of condensation

---

Condensation could occur if the unit is moved from a cold place to a warm place, it is used immediately after a cold room has been heated or it is otherwise exposed to a sudden temperature change.

To prevent this, or if this occurs, let the unit sit for one or two hours at the new room temperature before using it.

---

## Cleaning the unit

---

Use a dry soft cloth to wipe the unit clean. Do not wipe with chemical cleaning cloths, thinner, alcohol or other chemical agents. Doing so could damage the surface or cause discoloration.

---

## Using the TEAC Global Site

---

You can download this Owner's Manual necessary for this unit from the TEAC Global Site (<http://teac-global.com/>).

In the TASCAM Downloads section, select the desired language to open the Downloads website page for that language.

---

## Product registration

---

Customers in the USA, please visit the following TASCAM website to register your TASCAM product online.

<http://tascam.com/>

---

## About TASCAM customer support service

---

TASCAM products are supported and warrantied only in their country/region of purchase.

To receive support after purchase, on the TASCAM Distributors list page of the TEAC Global Site (<http://teac-global.com/>), search for the local company or representative for the region where you purchased the product and contact that organization.

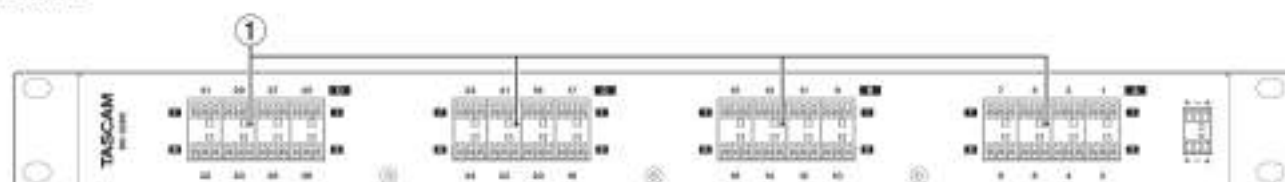
When making inquiries, the address (URL) of the shop or web shop where it was purchased and the purchase date are required. Moreover, the warranty card and proof of purchase might also be necessary.



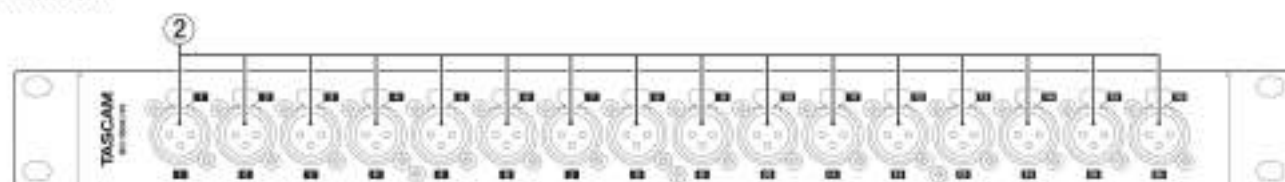
## Names of Parts

### Front panel

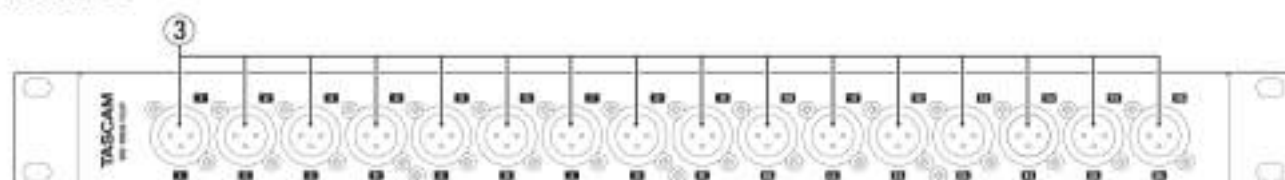
#### BO-32DE



#### BO-16DX/IN



#### BO-16DX/OUT



#### ① Euroblock connectors

These are balanced Euroblock analog input and output terminals. (HOT, COLD, GND from left)

#### ② BALANCED INPUT 1-16 connectors

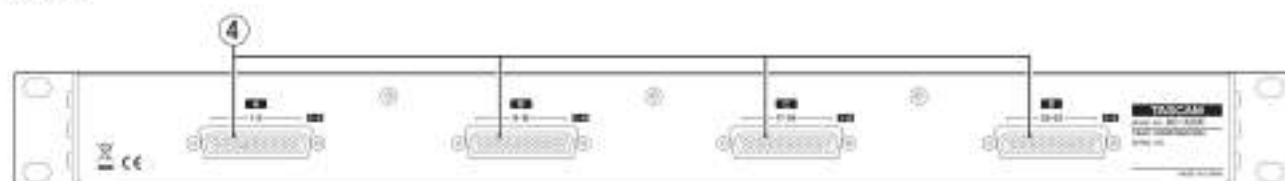
These are balanced XLR analog input connectors. (1: GND, 2: HOT, 3: COLD)

#### ③ BALANCED OUTPUT 1-16 connectors

These are balanced XLR analog output connectors. (1: GND, 2: HOT, 3: COLD)

## Rear panel

### BO-32DE



### BO-16DX/IN



### BO-16DX/OUT



#### ④ 1-8/9-16/17-24/25-32 connectors

These are balanced 25-pin D-sub analog input and output connectors.

Using D-Sub multi-cables for analog input and output, connect other balanced analog devices and transmit signals for channels 1-8, 9-16, 17-24 and 25-32.

See the illustration below for the D-Sub connector pin assignments.\*

(1-8, 9-16, 17-24 and 25-32 connectors follow the same pattern.)

#### ⑤ 1-8/9-16 connectors

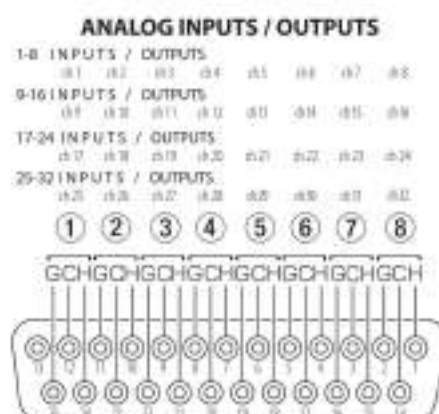
These are balanced 25-pin D-sub analog input/output connectors.

Using D-Sub multi-cables for analog input/output, connect other balanced analog devices and transmit signals for channels 1-8 and 9-16.

See the illustration below for the D-Sub connector pin assignments.\*

(1-8 and 9-16 connectors follow the same pattern.)

\* Pin assignments adhere to the TASCAM DB-25 Pinout Standard (AES59-2012)

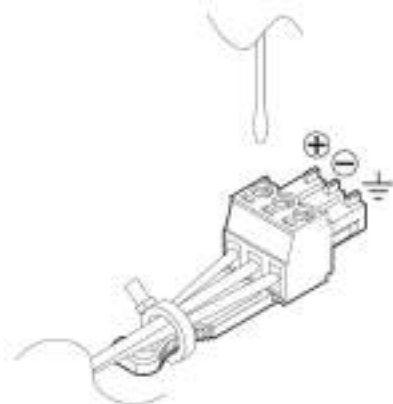


---

## Connecting Euroblock plugs

---

1. Loosen the Euroblock plug terminal screws.
2. Insert wires.
3. Tighten the Euroblock plug terminal screws.
4. Use an included wire band to attach the wires to the tab.



Euroblock plug wiring example

---

## Specifications

---

### Input and output connectors

#### BO-32DE

##### Front panel

connectors:

Euroblock (balanced) 3.81mm pitch × 16 (32 channels)

##### Rear panel

connectors: D-sub 25pin female x4

Attachment screws: No.4-40 UNC (inch-type) × 8

#### BO-16DX/IN

##### Front panel

connectors: XLR-3-31 (1: GND, 2: HOT, 3: COLD) x16

##### Rear panel

connectors: D-sub 25pin female x2

Attachment screws: No.4-40 UNC (inch-type) × 4

#### BO-16DX/OUT

##### Front panel

connectors: XLR-3-32 (1: GND, 2: HOT, 3: COLD) x16

##### Rear panel

connectors: D-sub 25pin female x2

Attachment screws: No.4-40 UNC (inch-type) × 4

---

### Other

#### Dimensions (width × height × depth)

482.6 × 44.1 × 50.8 mm (BO-32DE)

482.6 × 44.1 × 54.5 mm (BO-16DX/IN)

482.6 × 44.1 × 51.5 mm (BO-16DX/OUT)

#### Weight

0.9 kg (BO-32DE)

0.9 kg (BO-16DX/IN)

0.9 kg (BO-16DX/OUT)

- See the back of this manual for dimensional drawings.
- Illustrations in this manual might differ in part from the actual product.
- Specifications and external appearance might be changed without notification to improve the product.