



DS 2418

Distribution Splitter

Introduction

Thank you very much for expressing your confidence in our products by purchasing the DS2418, our high-quality Signal Distribution Splitter designed specifically for both live and studio applications. Please read the manual carefully and keep it for future reference.

Important Safety Instructions



For your own safety you must read this section in full first!

Intended use

This manual explains the intended use of the device. Using it in any other way invalidates the warranty and you risk a life-threatening electric shock.

Risk of electrical shock!

- Connect the device only to a properly wired and earthed electrical wall socket providing a mains voltage of 230 V~/50 Hz.
- NEVER operate the device if the device itself, the power plug, or the power cord is damaged.
- NEVER submerge the device in water. Wipe it only with a slightly damp cloth.
- NEVER expose the device to rain or moisture and never use it in a damp or wet environment. This device was developed for indoor use only. Do not use it outdoors.
- Ensure that the power cord does not become wet during operation.
- You must NEVER open the housing of the device or try to repair it. There are no user serviceable parts inside. Warranty will become void if you open the housing and you face the **risk of electric shock**.

- Do not place objects containing fluids, e.g. flower vases or beer bottles, on or near the device.
- Notice regarding power disconnection:
To disconnect the device from the power source the power plug must be removed from the power socket. For this reason the device must be placed in a position where a constant unobstructed access to the power socket is assured, thus in an emergency situation you are able to immediately pull out the power plug. To eliminate the risk of fire you must completely disconnect the power plug from the power socket when the device is not in use.
- Always grasp the power cord by the plug. Do not pull on the cord itself and never touch the power cord with wet hands as this could result in a short circuit or an electrical shock. Do not place the device, speaker cabinets or anything else on the power cord and make sure that it does not become clamped. Place the power cord in a position where it can not be trod on. A damaged power cord can cause a fire or an electrical shock. Check the power cord from time to time. Should it become damaged contact our customer service centre to have it replaced.
- Never manipulate the power cord of the plug. If a power cord is provided with an earth lead, this is mandatory to ensure safe operation!

Risk of fire!

- NEVER leave the device unattended while it is switched on.
- Never cover the ventilation slots of the device while it is switched on. Avoid placing this device in locations that provide insufficient ventilation or hot locations and do not place the device in direct sunlight or under strong artificial light sources. Otherwise, it may overheat and become irreparably damaged.

- Do not operate or store the device in hot locations or near heat sources like stoves, radiators or the like.
- Do not place any open sources of fire, like candles, on the device.
- When a thunderstorm with the risk of lightening threatens disconnect the device from the mains power.

 **Risk of personal injury!**

- Keep the power cord and device away from children. Children frequently underestimate the dangers of electrical equipment.
- Ensure a safe location for the device.
- Do not operate the device if it has sustained a fall or is damaged. Arrange for the device to be checked and/or repaired by qualified technicians.

Warning:



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

Features

- ▶ 2 work modes available:
'Two Inputs - Four Outputs', or 'One Input - Eight Outputs'
- ▶ Independent potentiometer for adjustment in each channel
- ▶ Fully electronically balanced input and output connector
- ▶ Link output connector
- ▶ Recessed potentiometer knobs to guarantee effectively the stable setting status of distributor
- ▶ Electronic circuit design for super low distortion & super low noise

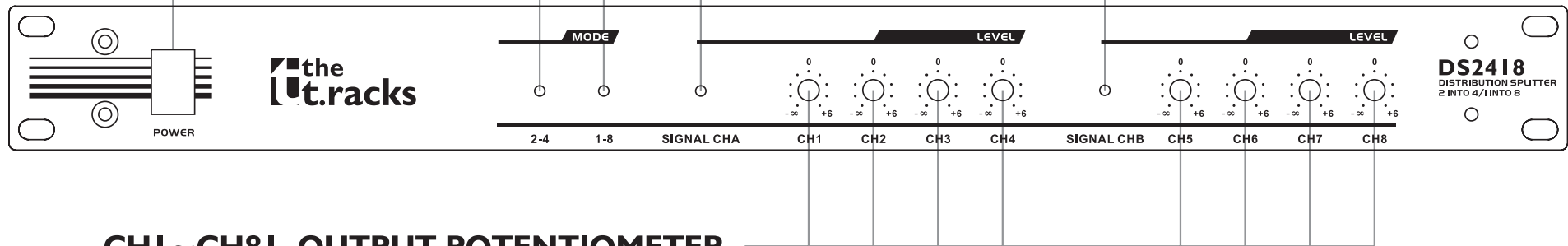
**POWER
ON/OFF**
Press to turn
the unit on/off

RUN MODE LED 2 - 4
Audio Signal input from CHA, CHB with 'Two Input - Four Output'

RUN MODE LED 1 - 8
Audio Signal input from CHA with 'One Input - Eight Output'

CHA SIGNAL LED
Indicates an input signal over 40mV in CHA

CHB SIGNAL LED
Indicates an input signal over 40mV in CHB



CH1~CH8I OUTPUT POTENTIOMETER

Turn these potiknobs clockwise to gradually increase the signal output up to +6dB.
Turn these potiknobs counter-clockwise to gradually decrease the signal output down to nil.

AC POWER SUPPLY RECEPTACLE

CHA INPUT XLR FEMALE CONNECTOR

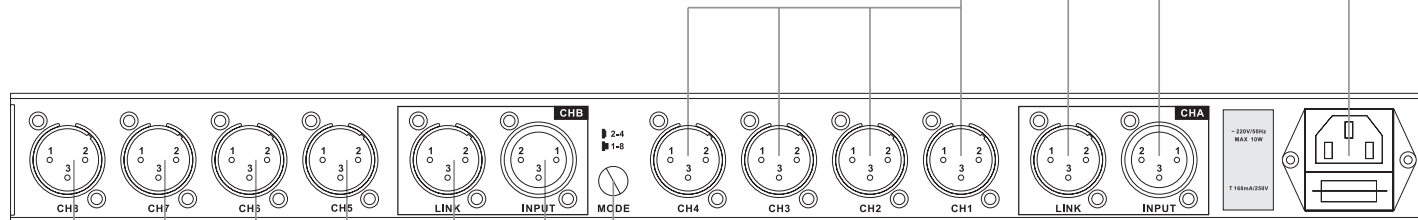
① GND ② HOT ③ COLD

CHA LINK OUTPUT XLR MALE CONNECTOR

① GND ② HOT ③ COLD

CH1 - CH4 OUTPUT XLR MALE CONNECTOR

① GND ② HOT ③ COLD



MODE SWITCH

Released: Mode = 'Two Input ~ Four Output'
Pressed: Mode = 'One Input ~ Eight Output'

CHB INPUT XLR FEMALE CONNECTOR

① GND ② HOT ③ COLD

CHB LINK OUTPUT MALE CONNECTOR

① GND ② HOT ③ COLD

CH5 - CH8 OUTPUT XLR MALE CONNECTOR

① GND ② HOT ③ COLD

Installation

Select a location with sufficient circulation of air. Permanent overheating can damage the device.

This unit is designed to be fitted into a 19" rack. Secure the device with screws to the rack.

When installing into a 19" rack please ensure that warm air can escape from the rack and that there is adequate distance between the individual devices. The rear wall of the rack should be opened when operating the devices.

Cleaning and Maintenance

Never immerse the device into water or any other liquid! Never let any liquid get into the housing. This would damage the device or cause a short circuit.



Clean the surface of the housing with a damp cloth. Never use cleaning agents that contain alcohol, petrol, solvents, or any aggressive substance. Do not use chemical fiber cloth to wipe the cover to avoid the fading of the painting.

Disposal

Never throw the device into the regular household waste at the end of its useful life. This product is subject to the European Directive 2002/96/EC.



- Dispose of the device through an approved disposal centre or at your community waste facility.
- Observe the current existing regulations. In case of doubt contact your disposal facility.
- The packaging is certified via a dual system. Take all packaging materials to an environmentally friendly disposal facility in compliance with the local regulations.



Specifications

Input impedance	:	10K (balanced)
Output impedance	:	47Ω (balanced)
Output max. voltage gain per channel	:	+6dB
Max. output level	:	>20dBu
Max input level	:	>20dBu
THD+N	:	<0.008%
Dynamic range	:	>115dB
S/N	:	>100dB A weight
Frequency response	:	20Hz - 20kHz, ±0.3dB
Distortion	:	<0.03%
Power consumption	:	<8W
Net weight	:	2.5Kg

Scope of delivery

DS2418 Distribution Splitter	:	1 unit
User manual	:	1 pc
Power supply cord	:	1 pc

WWW.THOMANN.DE

 **the
t.racks**

