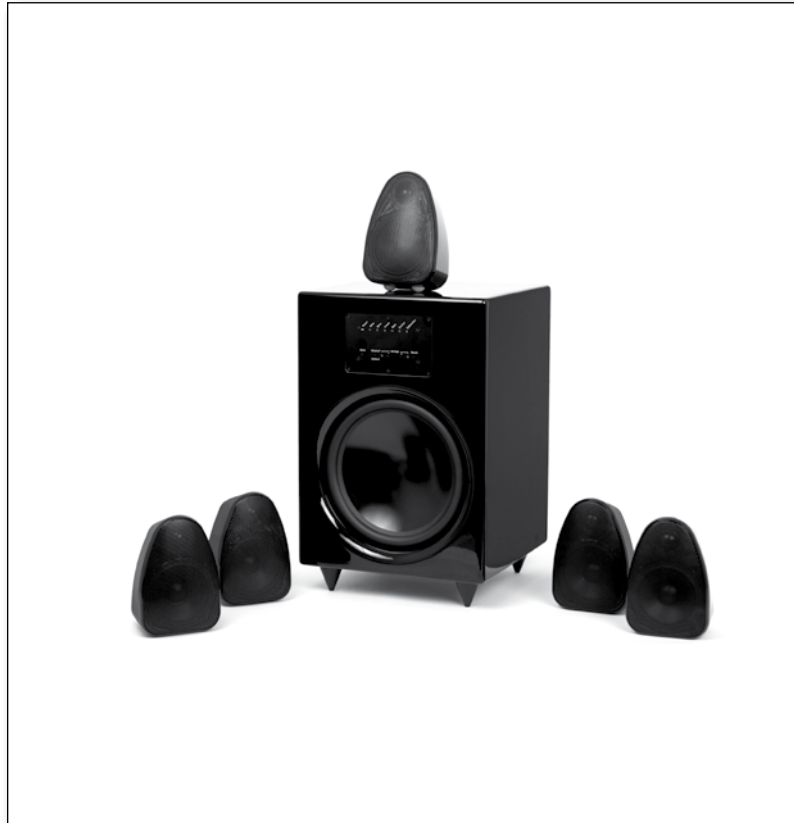




Motiv 5 Digital

Teufel



Motiv 5

PC/multimedia/home cinema system
with integrated 5.1 amplifier and remote control

Teufel

For your information

The information in this document may be changed without advance notification and does not represent any obligation on the part of Lautsprecher Teufel GmbH.

No part of these operating instructions may be copied in any way, whether electronically, mechanically, using photocopies or recordings, or transferred without the prior written agreement of Lautsprecher Teufel GmbH.

© Lautsprecher Teufel GmbH
Version 1.6
August 2010

Original packaging

We recommend that you keep the packaging if you want to use the eight-week right of return because we can accept the loudspeakers only IN THEIR ORIGINAL PACKAGING. Empty boxes are not available.

Trademark

© All trademarks are the property of their respective owners.

Technical data

Technical data can be found on our homepage at:
www.teufelaudio.com

Contact

Please contact our service department if you have any questions, suggestions or if there is anything you think we could do better.

Lautsprecher Teufel GmbH
Gewerbehof Buelowbogen · Buelowstraße 66
10783 Berlin (Germany)
Ph.: 00800 200 300 40
Fax: +49 (30) - 300 930 930
www.teufelaudio.com

Warranty terms

12 year warranty for speakers and 2 year warranty for power amplifiers and electronics (from purchase date) on materials and work time, with the exception of damage caused by incorrect use or electrical or mechanical overload. An original copy of our invoice is required as the warranty document. This warranty is exclusively valid for speakers, power amplifiers and electronics that have been purchased from Teufel for private use by end customers. The warranty is not valid for speakers, power amplifiers and electronics that the end user has purchased from a different distributor. If the Teufel product is sold on privately, the warranty may be transferred to the purchaser, providing that the original proof of purchase is also transferred.

Returns

Teufel provides an eight-week right of exchange or return with reimbursement of the full purchase price paid.

The return of individual components from a set is only possible if these components are also offered for sale separately by Lautsprecher Teufel. If one or more components are returned, any price discount given by Lautsprecher Teufel on all components in a set as part of the price for the set is waived. For the components returned, customers shall therefore be refunded only the difference between the set price and the purchase price of the individual components that they retain. The financial outcome for customers is as if they had bought the remaining components at the individual price from the outset.

You can find more information on the subject of returns on the returns form that accompanies the delivery or online in the support area of our website www.teufel.eu.

If you need to return an item, do not act without the prior agreement of Lautsprecher Teufel.

We can only process and accept returns if you have informed us first by phone and discussed the procedure with us!

Contents

Table of contents	Page	3
Safety information	Page	4
Introduction	Page	5
Unpacking • Contents • Attachments	Page	6
Accessories (optional)	Page	7
Set-up		
PC system	Page	8
Home cinema system	Page	9
Connection		
Satellites	Page	10
5.1 sound card	Page	11
DVD player/recorder	Page	12
Stereo sources	Page	13
AV receiver	Page	14
Set-up		
DVD player • Receiver • Decoderstation	Page	15
Operating elements on the subwoofer	Page	16
Start-up • remote control	Page	17
Frequently asked questions	Page	18
Frequently asked questions • Cleaning • Technical data	Page	20

Safety information

Please read the following safety information carefully.

Risk of suffocation – keep packaging materials (e.g. the plastic film) out of the reach and sight of children.
Risk of electrocution – do not leave children unsupervised with electrical appliances!

In case of emergency:

If any of the following occur, disconnect the appliance from the mains and consult our technicians:

- ▶ If the plug or cable are damaged
- ▶ If foreign bodies or liquid have entered the appliance
- ▶ If the appliance has been in direct contact with rain or other water
- ▶ If the appliance does not play, even though you have followed the operating instructions
- ▶ If the appliance has been dropped or damaged in some other way

We cannot accept any responsibility for incidences that occur because safety information has not been adhered to.

Important: Please read through these operating instructions very carefully. It is essential that you take note of all of the safety information and operating instructions before switching on the appliance. Please keep these operating instructions in a safe place for future reference.

Important: Please read the operating instructions. You should also follow all instructions for start-up and ongoing use.

Information on cleaning: Please do not attempt to clean the appliance using household chemicals because they could damage its surface. Simply use a dry cloth. Disconnect the appliance from the mains before cleaning.

Caution - moisture and sunlight: Never operate the appliances in damp rooms, i.e. close to baths, showers, wash basins, drains, damp cellars or swimming pools; never use them where there is moisture. Never expose the speakers to high air humidity and avoid direct sunlight. Do not expose device to dripping or splashing water. Do not place objects filled with liquids, such as vases on the device.

Information on location: Do not use the appliance unsecured in vehicles, in unstable places, on wobbly tripods or furniture or supports that are too small. The speakers could fall and cause damage to people, including yourself. Speakers, particularly if positioned on stands or on the TV/monitor, may fall and cause damage due to their weight, even if they have been positioned securely and stably, as a result of external influences (pulling on the cable, tripping over the cable, unintentional physical contact). This also applies to wall supports that have been attached inappropriately or incorrectly to walls that may not be capable of supporting their weight. Only use suitable wall brackets for mounting. Make sure that you know how much weight the walls can bear. The appliance must not be placed near sources of heat. This includes radiators and heaters, ovens and other appliances that emit heat (e.g. amplifiers). Sources of heat, such as fan heaters or candles, should not be placed on the speakers.

For ventilation: Slots and openings in the case have been provided for ventilation. Their purpose is to guarantee reliable operation and to prevent the appliance from overheating. These openings must not be blocked or covered, including by placing the appliance on a bed, sofa, carpet or other soft surface. Do not place any newspapers or table cloths, etc. on the appliance. The cooling plate of the amplifier electronics must not be covered or exposed to direct sunlight. Additional active cooling of the appliance is generally not permitted.

Electrical supply: The subwoofer must only be supplied from a power source with the correct voltage as specified on the identification label. If you are unsure about the electricity supply in your home, please contact us or your electricity supplier for more information. The appliance does not need to be grounded. Please only use the appropriate mains cable for connecting to the mains socket. This mains cable must not be modified under any circumstances. Regulations on polarity and earth connection must be adhered to. Use only an appropriate mains plug for receiving the mains cable.

This appliance uses the main plug as separating device. In order to completely disconnect the device from power supply, please pull the plug from the mains. The mains plug must be easily accessible.

Information on wiring: Please place the supply cable flat and flush to the wall and floor. Cables that are laid loosely represent a risk of tripping. This could also result in interference and cause the sound to be disrupted. The electricity supply cable should be laid so that it is not likely to be stepped on or squashed from the sides or above by heavy objects. Damaged cables must be replaced. Pay particular attention to the cable/plug connection, the mains socket and the cable output from the subwoofer. The power supply cable and the cables that connect the speakers should be checked regularly for insulation faults or breaks. If a fault is discovered, the appliance and the cabling must be disconnected from the mains immediately and the defective cable must be replaced. Make sure the power switch is in the »off« position before connecting or disconnecting the device.

During periods without use: Remove the subwoofer's power supply cable from the socket for longer periods of absence or non-use.

During thunderstorms: In order to avoid damage caused by lightning strikes, the appliance should be switched off and also detached from the mains socket as soon as a thunderstorm is expected.

Risk of overload: You should not overload wall sockets, extension cables or integrated appliance sockets, because this could potentially lead to short circuits and even fires. You should also avoid turning up the volume very high on the relevant amplifier, especially if you have increased the bass using the bass control, the loudness button or one of the deep bass boost switches.

Foreign bodies and liquids: Foreign bodies and liquids must not get into the appliance via its openings under any circumstances, as they could come into contact with parts carrying high voltages, which could then cause short circuits and fires. Therefore do not spill any liquids of any kind on the appliance. Do not attempt to repair the appliance yourself. The appliance must be sent to our service department for repair.

Information on spare parts: Lautsprecher Teufel will provide you with spare parts during the warranty period. Your warranty will not be invalidated if you replace the parts yourself on-site using Lautsprecher Teufel spare parts.

Unusual sounds: If any unusual sounds occur during use or the sound becomes distorted, the speaker output must be reduced immediately so that the system plays an undistorted sound.

Connecting and changing the fuse: Disconnect the mains plug. A faulty fuse may only be exchanged for one of the same type.

Information on volume: Loud noises can damage hearing. Sudden high pressure may be created, particularly if a subwoofer in "Standby/Auto On" mode is switched on by a bass impulse at full volume. In addition to physical damage, please be aware of possible psychological consequences. Children and pets require particular care. If necessary, set the volume control of your signal source appliance to the lowest level. At high volumes, always keep a certain distance from the appliance and never have your ears right next to the speaker.

Instruction Motiv 5

Dear Lautsprecher Teufel customer,

Thank you for purchasing this Motiv 5 system.

With this speaker set from Teufel, you have chosen an elegant and powerful multimedia home entertainment system that, despite its compact dimensions, delivers excellent sound quality.

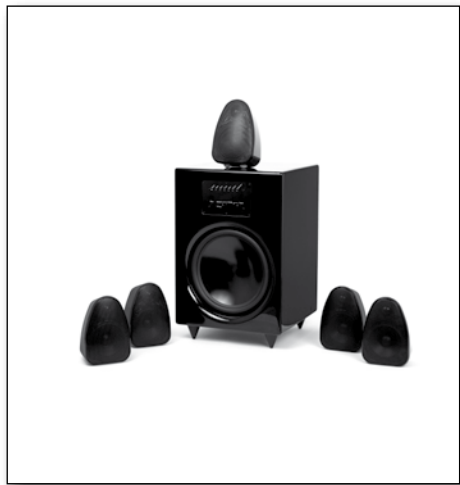
This set can be operated either with a multichannel AV receiver/amplifier (partially active) or independently, without an additional amplifier (fully active) through a PC or DVD player with decoder. Stereo sources, such as MP3 players, satellite receivers, TV sets, games consoles, CD players or DJ mixers, can also be excellently used with the Motiv 5.

The Motiv 5 subwoofer features six integrated power amplifiers. One for the integrated bass speaker and five for the satellites. There is an analogue 5.1 input on the back for direct connection of compatible sound cards, DVD players, a decoderstation or receivers with subwoofer pre-out.

The set comes equipped with all of the individual parts required for surround reproduction. You only have to provide the cables and a source of the signal, for example via a DVD player with analogue 5.1 outputs. A selection of suitable cables can be found on our website www.teufelaudio.com in the "accessories" area.

Because the set-up has a decisive influence on the sound characteristics of any surround system, we recommend that you take the time to position all of the speakers correctly. These operating instructions contain all of the information you need for correctly setting up and operating your Motiv 5 multimedia home cinema set.

Before operation, please read these instructions carefully and store them in a safe place for future reference. We recommend that you keep the packaging.



Please write down the serial number that can be found on a sticker on the box and the invoice number here:

My **INVOICE NUMBER** is

.....

My **SERIAL NUMBER** is

.....

The serial number and the invoice number make it easier for us to process your request quickly if you require service.

If you encounter difficulties during operation or if you think that there is something wrong with the appliance, please read the "Frequently asked questions" section on pages 18 to 20 carefully. You can find answers here to the most frequently asked questions.

Please take a note of the serial number and invoice number

Teufel

First please check that the system is complete.

Unpacking

Fold back the flaps on the top of the box, remove the polystyrene packaging and carefully lift each loudspeaker out of the box.

We recommend retaining the boxes in order to ensure safe transport for any later servicing.

The Motiv 5 is supplied as a complete system.

Contents

- ▶ 1 x Motiv 5 subwoofer A 500/6 SW with integrated 5.1 amplifier
- ▶ 5 x identical Motiv 5 satellite speakers MO 5 FCR
- ▶ 1 x Motiv 5 remote control A 500 RC incl. batteries
- ▶ 5 x U-shaped profiles for attaching the satellites to the wall brackets/bases
- ▶ Screws, for mounting speakers
- ▶ 20 rubber feet for the satellites
- ▶ 1 x IEC cable for AC power supply



◀ **Subwoofer A 500/6 SW**



◀ **5 x satellite speakers MO 5 FCR**



◀ **Motiv 5 remote control A 500 RC**



◀ **U-shaped profile**



◀ **IEC cable**

Please note
Please keep the boxes for at least the eight-week return period, as we can ONLY repay the full purchase price if the products are returned in the ORIGINAL PACKAGING in which they were supplied.

Warning:
Explosion hazard with inappropriate replacement of the battery. Replacement only by the same or an equivalent type. Do not expose batteries to excessively warm as sunshine, fire or like.
If you plan to not use the device for a longer period of time: Remove the batteries from remote control and store them appropriately to prevent possible damage from leaking.

*All optional accessories can easily be ordered as required, e.g. from the accessories area on our website: www.teufelaudio.com

Accessories *

Due to varying customer requirements, the Motiv 5 is supplied without any accessories. Suitable optional accessories for the system are shown on the next page.

First please check that the system is complete.

Attachments (optional)

Teufel speaker cable 2 x 2.5 mm²



The highly flexible, unilaterally marked OFC cable has sufficient diameter to ensure unhindered bridging up to 15 meters. The white casing is inconspicuous, and is offered as a cable roll in two lengths: 15 or 30 meters.

The highly flexible, unilaterally marked OFC cable has sufficient diameter to ensure unhindered bridging up to 15 meters. The white casing is inconspicuous, and is offered as a cable roll in two lengths: 15 or 30 meters.

Teufel voltage reducer



Specially developed cable adapter from Teufel. Allows the Motiv 5 to be connected to amplifiers/receivers that do not have a specific subwoofer line output (Sub out) in cinch format, but only standard speaker outputs (e.g. older stereo amplifiers). A speaker cable [+] and [-] is adapted to a cinch jack. You will need two pieces for stereo amplifiers.

Specially developed cable adapter from Teufel. Allows the Motiv 5 to be connected to amplifiers/receivers that do not have a specific subwoofer line output (Sub out) in cinch format, but only standard speaker outputs (e.g. older stereo amplifiers). A speaker cable [+] and [-] is adapted to a cinch jack. You will need two pieces for stereo amplifiers.

Teufel Subwoofer Cable



Special RCA cable - developed for use with the subwoofer. The best connection between an active subwoofer and an AV Receiver. Protected via high-quality shielding against interference from other sources, with stable gold-plated connectors to provide secure contact. The cable is available in three different lengths, so your subwoofer can truly stand wherever you'd like it.

Special RCA cable - developed for use with the subwoofer. The best connection between an active subwoofer and an AV Receiver. Protected via high-quality shielding against interference from other sources, with stable gold-plated connectors to provide secure contact. The cable is available in three different lengths, so your subwoofer can truly stand wherever you'd like it.

Teufel Y adapter cable



For sound connections to PC or portable CD/MP3 players for amplifying the Motiv 5 set. The 3.5 mm plug makes it easy to connect a sound card. You need one adapter for fully active operation on a PC in stereo and three for surround mode.

For sound connections to PC or portable CD/MP3 players for amplifying the Motiv 5 set. The 3.5 mm plug makes it easy to connect a sound card. You need one adapter for fully active operation on a PC in stereo and three for surround mode.

Base Teufel M 50 P



Slimline, height-adjustable base for the Motiv 5 satellites. The speaker cable can be hidden inside the base.

Height: 80 – 120 cm

Design: metal, black or silver

Shortlock wall bracket



This bracket makes it easy to mount the satellites using the thread in the speakers. The bracket allows free horizontal and vertical positioning. Available in black and silver.

Teufel cable packages



We have complete cable packages which make it easy to connect the Motiv 5 set to your source appliance.

There are a range of sets, with different types and lengths of cables.

AC 2005 WS

3 x stereo cinch → mini-jack cables for sound cards plus 20-metre speaker cable (0.75 mm²)

AC 3005 WS

3 x stereo cinch → mini-jack cables for sound cards plus 30-metre speaker cable (1.5 mm²)

AC 2015 WS

3 x stereo cinch cables for DVD player/Decoderstation plus 20-metre speaker cable (0.75 mm²)

AC 3015 WS

3 x stereo cinch cables for DVD player/Decoderstation plus 30-metre speaker cable (1.5 mm²)

You can order the accessories shown here from Teufel online at:

www.teufelaudio.com

Set-up: PC system

General information on configuration

Because of its compact size and elegant design, it's easy to integrate the Motiv 5 harmoniously into your home. For a surround set, however, there are some set-up criteria you need to observe, in order to get the best sound from your Teufel speakers.

The recommended set-up on the following pages represents the best possible arrangement for perfect multichannel playback at home. Your available space, your partner or furniture may not always permit such ideal placement. Try to meet as many requirements as possible. Modern AV receivers and DVD players or the sound card software of a PC offer lots of opportunities to electronically compensate for any restrictions in the set-up. Generally speaking, the following rule applies: You can always use our recommendations to experiment with what works best acoustically and optically. Let your ears (and eyes) decide!

Setting up the Motiv 5 as a PC system

When using the Motiv 5 as a PC sound system, it is advisable to focus on the sound requirements of the PC workplace, i.e. the area where the screen and receivers are located.

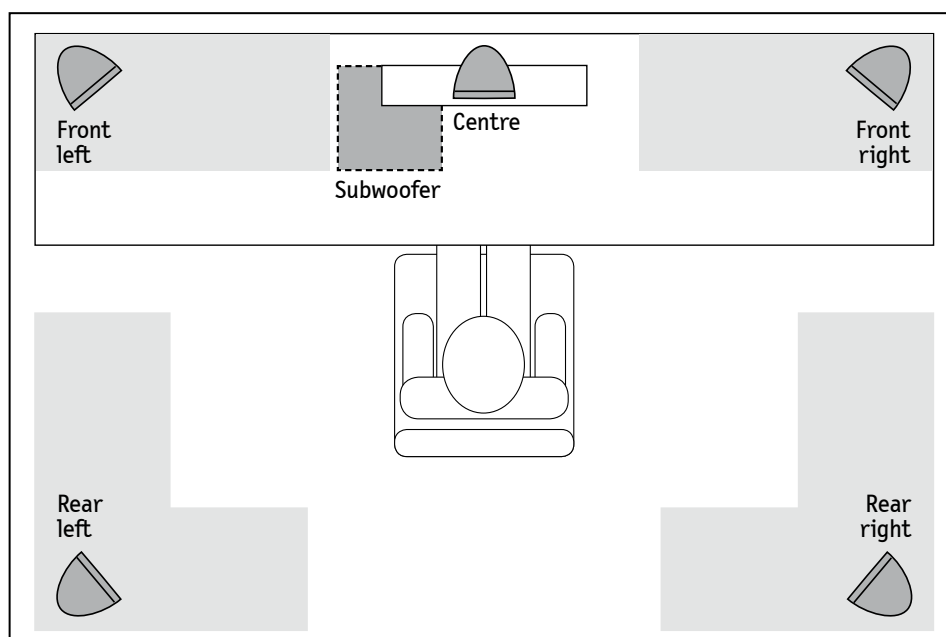
Because the centre reproduces actors' dialogue, this speaker must be positioned as centrally as possible under/over/next to/on top of the monitor and inclined or angled towards the listener. The front speaker is attached next to the monitor at the same distance from it or the reception area left and right or attached to the wall. Attachment at ear height is optimal, but anything in the range between 0.80 and 1.60 metres is acceptable. If the values are outside of the recommended range, you can slightly tilt the front speaker.

The location of the subwoofer is freely selectable and does not affect the other speakers. Placement within a straight line between the two front satellites is usually ideal. The rear speakers should be behind or next to the listening position – ideally at the same height or higher (max. 2.10 metres). We do not recommend placing them lower.

Example set-up of a Motiv 5 being used as a PC sound system.

Imperfect placement because of different distances and heights can be compensated for in the setting options of the sound card's control software.

Place the front and rear speakers in the grey area.



Set-up: Home cinema system

Setting up the Motiv 5 as a home cinema system

When using the Motiv 5 as a home cinema system, we recommend that you focus on the section of the room where the TV and seats are located. It is useful to position the screen as centrally as possible, from the perspective of the viewer/listener.

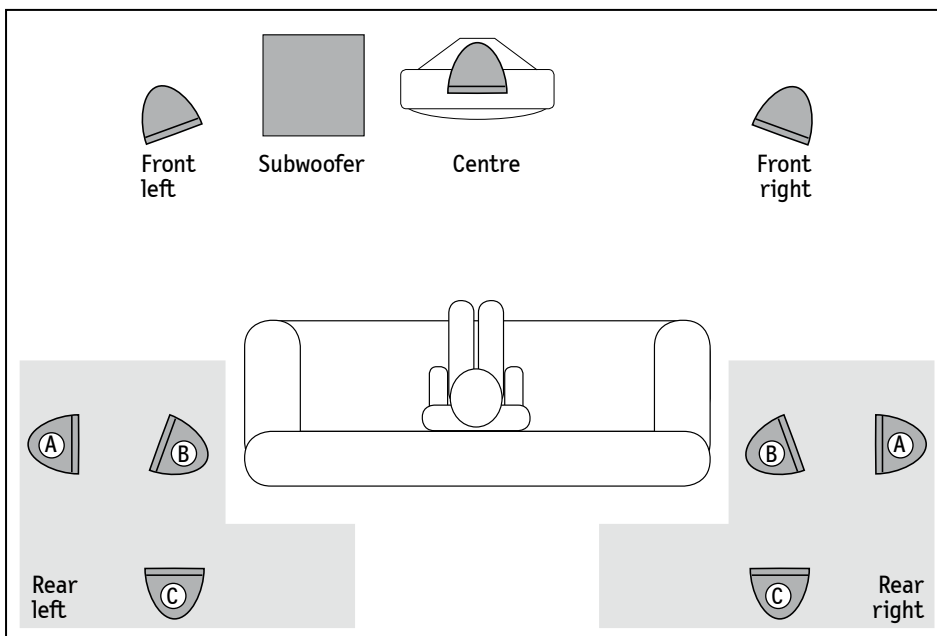
Because the centre reproduces actors' dialogue, this speaker must be positioned as centrally as possible under or over the TV and inclined or angled towards the listener. Using the old stereo tradition (distance to listener = distance between the left and right speaker), the front speakers are set up next to the TV with the same distance to left and right or fixed to the wall. The M 50 P bases are ideal for this purpose, as are the Microlock or Shortlock wall brackets. Using the base automatically guarantees optimum playback height for satellite boxes. The Shortlock brackets allow horizontal and vertical alignment to the listener.

The following apply to wall or shelf placement: The set-up heights should be between 40 centimetres and 1.20 metres. If the values have to be outside of the recommended range, you can slightly tilt the front speaker towards the reception area. It is important that the centre and main speakers are placed in an even arc, possibly slightly curved towards the TV.

The location of the subwoofer is freely selectable and does not affect the other speakers. Placement within a straight line between the two front satellites is usually ideal.

The two rear speakers should be set up to the left and right either to the side or behind the listening position – ideally at a height of no more than 2.10 metres, e.g. on a shelf or directly on the wall using the Microlock or Shortlock wall bracket. The speakers can be set-up at the same height as the front speakers using the M 50 P bases; but we advise you not to locate them lower.

The optimum positioning is left and right from the listener (A) at around 20 degrees from the parallel. We always recommend that the distance between the rear speakers and the listening location is more than 1.00 m. But if you (have to) sit closer, please ensure that the front of the speaker is not pointing directly at you but rather angle the speakers more towards the wall (B). Or create a greater distance by positioning the speakers higher than 1.20m (this can also be on the ceiling) or further away (C).




Example set-up of a Motiv 5 being used as a home cinema system.

Imperfect placement because of different distances and heights can be compensated for using the setting options in the AV receiver's speaker management settings.

Please position the rear speakers within the grey area.

Connection: Satellites

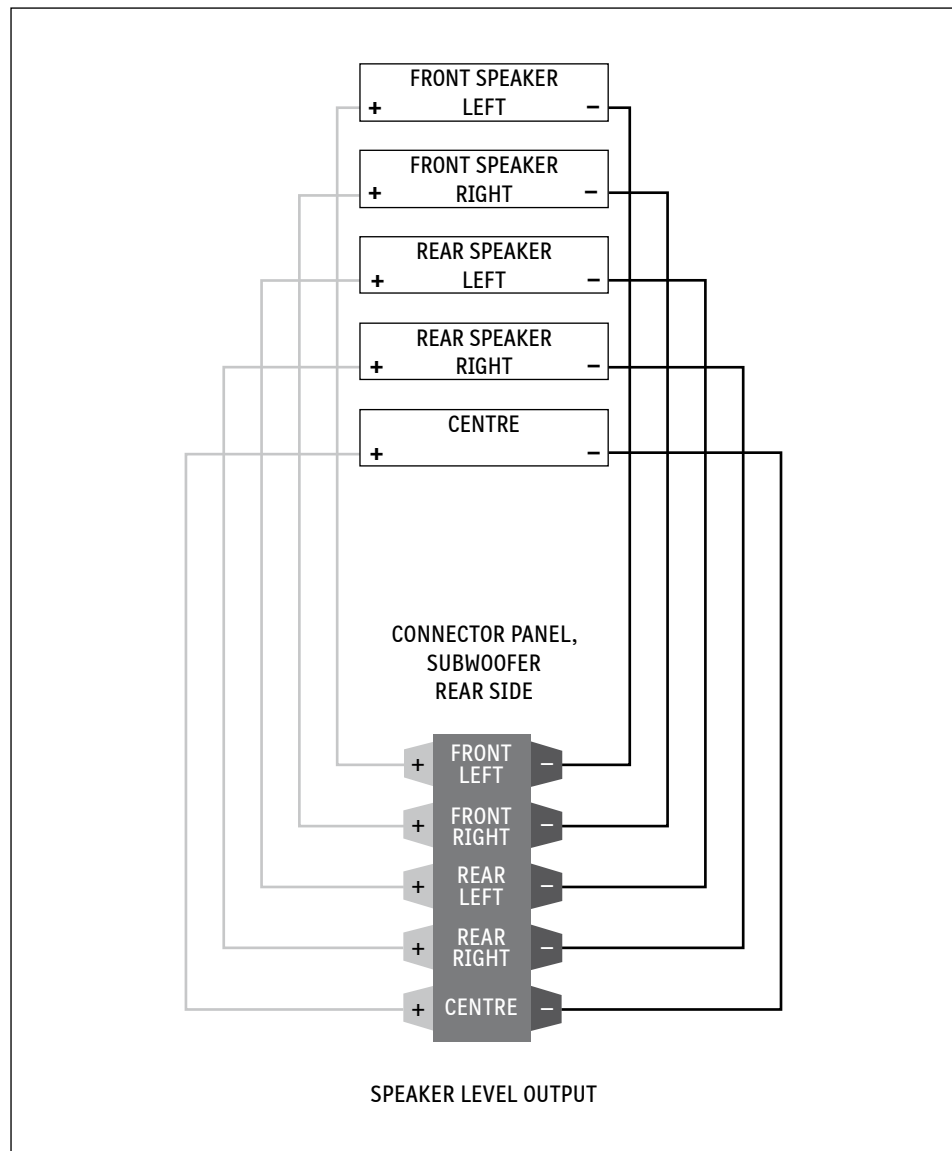
Connecting the satellites



For connecting the satellites cut the cable to the required lengths. Strip the plastic coating from the ends of the speaker cables (as shown). The speakers and amplifier have corresponding [+] and [-] terminals. The [+] cable of the speaker cable is marked with a stripe. It is important that you observe the correct polarity when connecting the speakers: the plus pole of the speaker to the plus pole of the amplifier and the minus pole of the speaker to the minus pole of the amplifier. Connecting the cables with the incorrect

phases can result in thin sound, weak bass and reduced stereo characteristics. For multichannel surround systems, it is also important that all speakers are connected with the correct polarity in order to ensure an appropriate three-dimensional atmosphere and the correct alignment of the sound.

Connect the speakers to the correspondingly marked clamp connections on the rear of the subwoofer; i.e. the front left speaker to FL and the rear left speaker to RL and so on.



Connection: 5.1 sound card

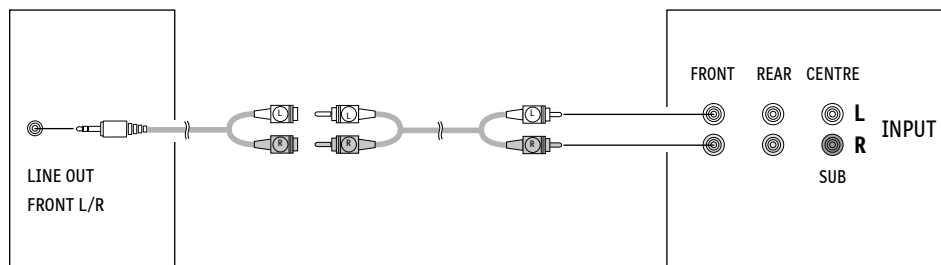
Connection to a 5.1 sound card

The Motiv 5 is perfect for direct connection to any computer. If your sound card is set up for 5.1 operation, you will usually find three 3.5mm mini-jack outputs. Connect the card, using three adapters (3.5 mm stereo mini-jacks to 2 x cinch), to the inputs for the front R/L, rear R/L, centre and subwoofer on the back side of the Motiv 5. The colours of the outputs and the types of signals trans-

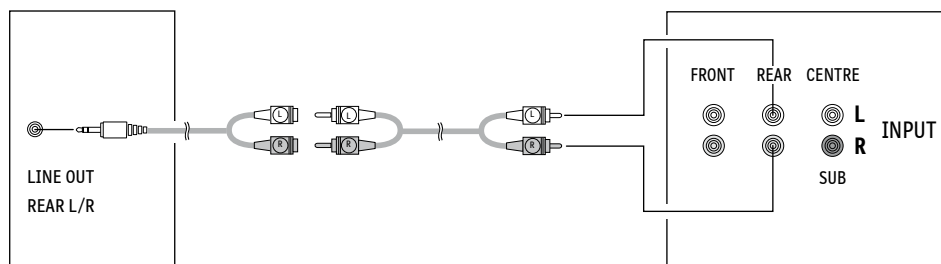
ferred at each output differ from sound card to sound card. Please refer to the handbook of your soundcard. The Teufel system then reproduces the surround signal decoded by the sound card.

5.1 SOUND CARD

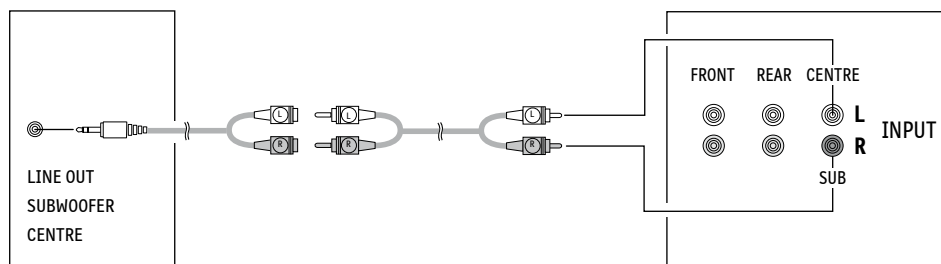
SUBWOOFER MOTIV 5



Example connection of a 5.1 sound card



Information
If you are using a 7.1 sound card, the outputs for the centre channels are not used.



Connection: DVD player/recorder

A selection of suitable DVD players can be found on our website www.teufelaudio.com in the "FAQ/support" area.

Connecting the Motiv 5 to a DVD player/recorder

The Motiv 5 can be used not only for direct connection to the PC, but also for direct connection to a DVD player/recorder. It allows you to create a complete home cinema sound system with just two audio appliances!

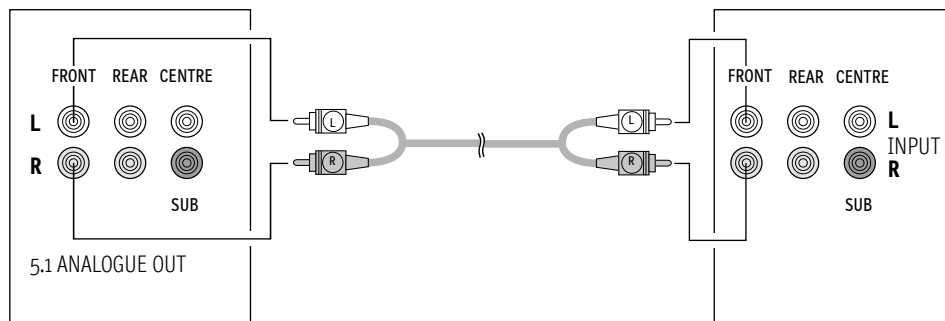
To control the Motiv 5 directly via a DVD player, the player/recorder must have an integrated Dolby Digital or DTS decoder. This type of equip-

ment can often be recognised by the fact that the DVD player has an analogue 5.1 cinch output at the back (6 cinch jacks for front R/L, rear R/L, centre and subwoofer). The DVD player/recorder is connected directly to the subwoofer with three stereo cinch cables, from the 5.1 cinch outputs of the DVD player to the 5.1 cinch inputs of the subwoofer.

DVD PLAYER/RECORDER

SUBWOOFER MOTIV 5

DVD player settings are described in detail on page 16.

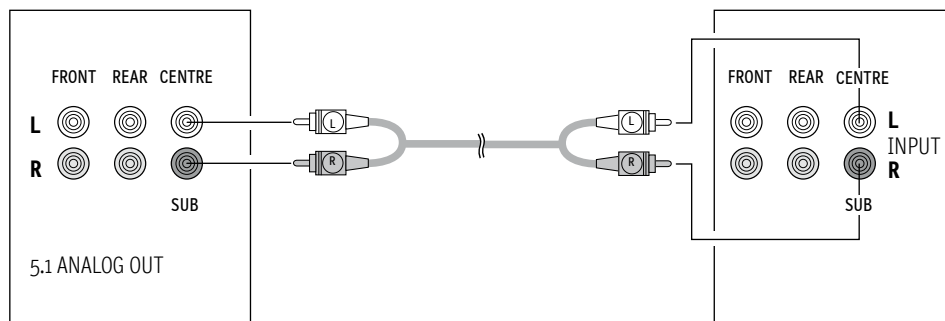
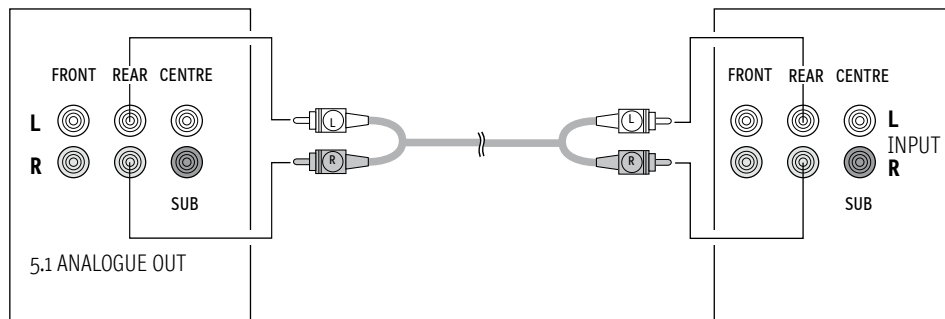


Connecting the Motiv 5 to a DVD player/recorder without 5.1 analogue outputs

Even if your DVD player/recorder does not have a decoder or six analogue cinch outputs, you can still successfully use the Motiv 5.

Connect the stereo output of your appliance using a stereo cinch cable with the front input "In R/L" on the subwoofer.

Thanks to the integrated "upmix" function in the Motiv 5, the four satellite speakers reproduce a stereo signal and the centre speaker and the subwoofer each reproduce a mono signal. This of course doesn't sound as perfect as Dolby Digital, but does definitely sound better than pure stereo reproduction. Later you will also still have the chance to operate your speaker using an AV receiver/amplifier or a decoder station to experience the full pleasure of Dolby Digital and DTS.



Connection: Stereo sources

Connecting the Motiv 5 to stereo sources

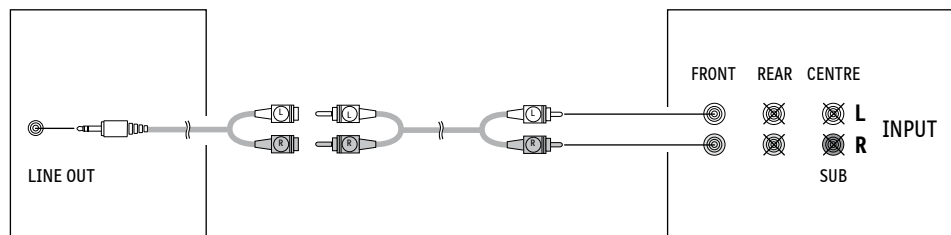
Stereo soundcard, notebook, MP3 player, satellite receiver, TV set, game console, CD player, DJ mixer, Discman, Walkman, etc...

The Motiv 5 can be used universally. The set can be operated successfully with any of the above appliances. And not just in stereo, but also with virtual surround sound, using the integrated "upmix" function that involves all six of the Motiv 5 speakers. This admittedly doesn't sound as perfect as Dolby Digital, but does sound better than pure stereo reproduction.

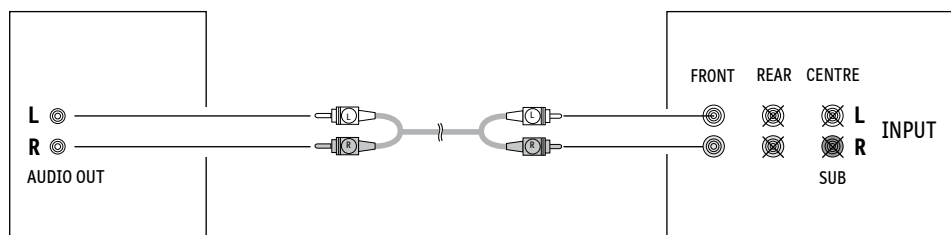
Here is how it works:

Connect the stereo output of your appliance to the front left/right inputs on the rear connector panel of the subwoofer. It is possible to use a 3.5mm mini-jack to stereo cinch adapter. All five satellite boxes are connected to the subwoofer via the speaker cable. The subwoofer now produces a mixed signal for all speakers. With this type of connection, the four satellites reproduce a stereo signal and the centre and the subwoofer reproduce a mono signal.

**NOTEBOOK
MP3 PLAYER
DISCMAN
WALKMAN
STEREO SOUND CARD**



**SAT RECEIVER
TV
GAMES CONSOLE
CD PLAYER
DJ MIXER**



Notebook/laptop

For 5.1 reproduction you usually need an external sound card with six analogue outputs. Different companies offer solutions for connection to the PCMCIA port or via USB or FireWire. If your notebook already has three analogue mini-jack outputs, please proceed as described in the section "Connecting to a 5.1 sound card".

Please note

No other plugs should be in the other sockets on the Motiv 5-Subwoofers (in Centre, Subwoofer, Rear R/L)!

Please note

No other plugs should be in the other sockets on the Motiv 5-Subwoofers (in Centre, Subwoofer, Rear R/L)!

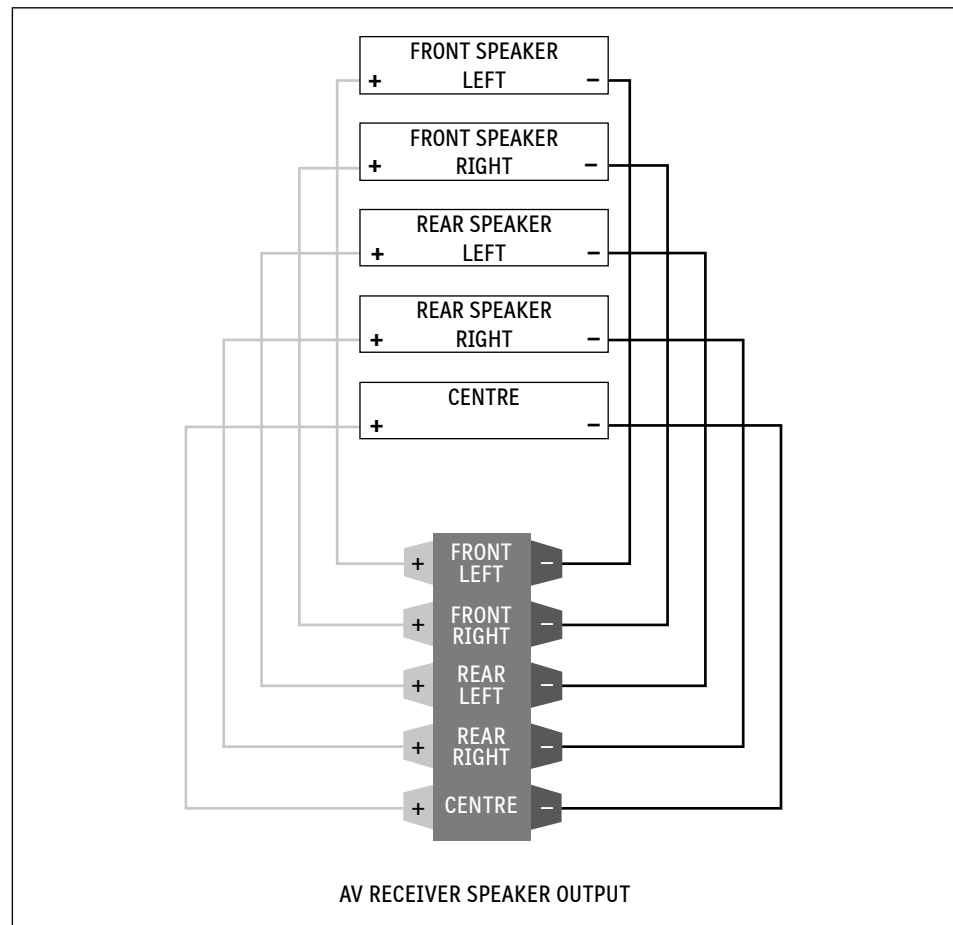
Connection: AV receiver

Connecting the Motiv 5 to an AV receiver

The numerous possibilities for using the Motiv 5 even include connection to an AV receiver. Although designed to be fully active, the set is partially active in cooperation with an AV receiver. You can connect the Motiv 5 like a standard speaker system: the five satellites via speaker cable to the corresponding speaker outputs front R/L, rear R/L and centre of the AV receiver/amplifier and the subwoofer from the front R input via a mono-cinch cable to the sub out output on the A/V receiver/amplifier.

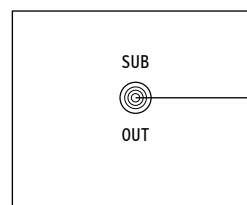
If the AV receiver/amplifier has preamplifier outputs for all channels (front R/L, rear R/L, centre and subwoofer), the Motiv 5 can also be connected via three cinch cable pairs to the subwoofer and the satellites via speaker cables to the subwoofer. However, we recommend using the first version.

AV receiver settings are described in detail on page 15.

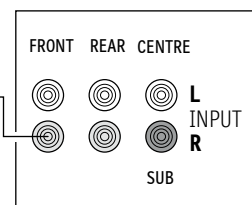


Information
In order to guarantee that the automatic on function (auto on) works correctly, the front cinch input (front right) has to be used. The auto on/standby switch only reacts when the front R input is being used. The subwoofer also receives the full subwoofer signal via this channel! The subwoofer input can remain open.

AV RECEIVER



SUBWOOFER MOTIV 5



Settings: DVD player · Receiver · Decoderstation

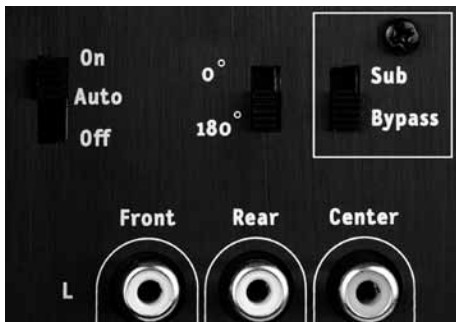
Adjustment to the DVD player with 5.1 analogue output

The Motiv 5 itself has no built-in decoder function. Therefore it is “dependent” on external decoders when splitting the signals. This decoder is a component of the DVD player software. Its set-up options differ greatly from model to model. Please consult the handbook for your DVD player.



The following basic settings should always be made:

- ▶ The front/centre/rear speakers should be defined in the speaker set-up menu (speaker management/bass management) of the DVD player as **“small”** or **“normal”** (not “large”).
- ▶ Set the subwoofer to **“on”** or **“yes”** in the speaker set-up menu.
- ▶ The optimal cut-off frequency is 120Hz. 100Hz or 150Hz are also possible.
- ▶ Set the rocker switch of the subwoofer to **“Bypass”**.



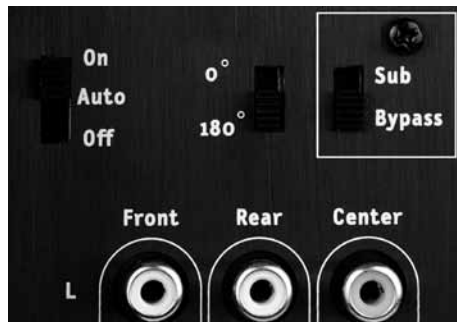
Adjustment to the AV receiver

During operation on the AV receiver, the Motiv 5 is dependent on the AV receiver being set-up correctly. Only when the receiver’s decoder assigns the signals optimally will all of the boxes of the Teufel speaker set be activated, as the Motiv 5 itself has no built-in decoder function. The set-up options for the AV receiver differ greatly from appliance to appliance. Please consult the handbook for your AV receiver.



The following basic settings should always be made:

- ▶ Our front/centre/rear speakers should be defined in the speaker set-up menu (speaker management/bass management) of the AV receiver as **“small”** or **“normal”** or (not “large”).
- ▶ Set the subwoofer to **“on”** oder **“yes”** on the speaker set-up menu.
- ▶ The optimal cut-off frequency is 120Hz. 100Hz or 150Hz are also possible.
- ▶ Set the rocker switch of the subwoofer to **“Bypass”**.

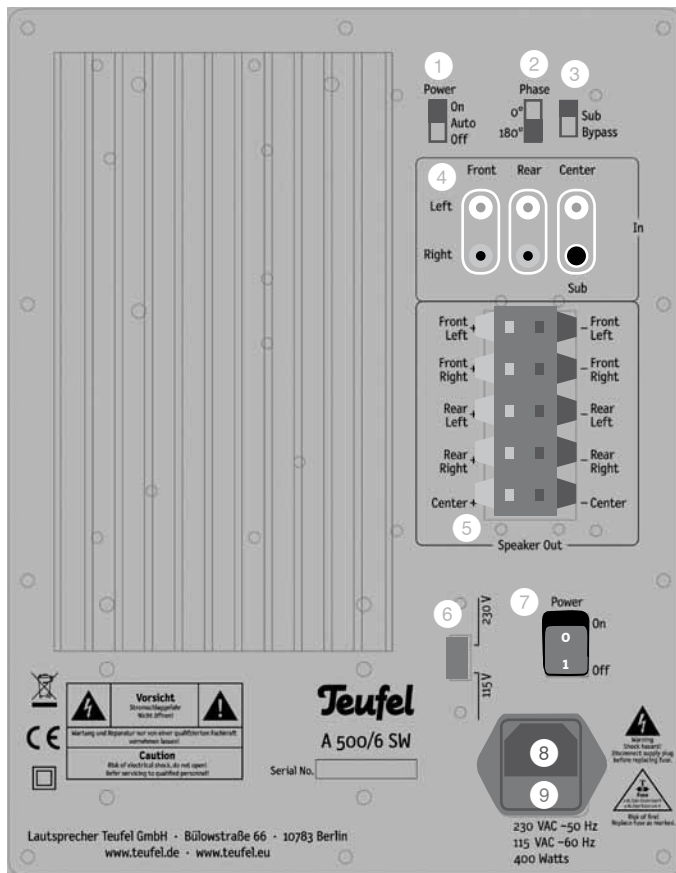


Decoderstation settings

Please observe the detailed description in the Teufel Decoderstation manual or consult the support section on our website: www.teufelaudio.com.



Operating elements on the subwoofer



1 Operating mode

When set to “Off”, the subwoofer is switched off, and on when it is set to “On”. If you set the switch to “Auto”, the subwoofer will switch on automatically when it receives an audiosignal. If it receives no audiosignal, it switches itself off after about 20 minutes.

2 Phase select (0–180°)

The phase switch allows you to adjust the phase of your amplifier to the different listening positions. For a subwoofer position between the front speakers, we recommend 0°. For a position near the listening area we recommend 180°. If the subwoofer is in a different position, the setting at 180° can compensate for reduced bass reproduction.

3 Sub bypass switch

If you operate your Motiv 5 with a source that allows you to set the cut-off frequency (“Crossover”), choose the position “Bypass”. If there is no option to set the cut-off frequency (e.g. in devices that only offer a stereo signal) select “Sub”.

4 Input

Connect your cinch cable from the playback device (sound card/DVD player/Receiver) here.

5 Speaker Out

Clamp the speaker cables from the five satellites here.

6 Voltage selection switch

Allows you to adjust for regional voltage differences. The switch is preset to the standard European voltage of 230 V. Under no circumstances should the switch be moved to the 115 V position during operation at 230 V.

7 Power

When set to “Off”, the subwoofer is switched off, and on when it is set to “On”.

8 IEC socket

The mains power cable is connected here.

9 Fuse

You can change the fuse here.

Explanation of symbols



The arrow-headed lightning symbol in an equilateral triangle indicates the presence of a dangerous uninsulated electrical voltage within the system housing and therefore a risk of electrical shock.



The exclamation mark in an triangle, as affixed to the appliance, is to make the user aware of important operating and maintenance instructions.



This product complies with European Community guidelines 2004/108/EC and 2006/95/EC.



The dustbin symbol printed on our products' type plates and amplifiers states that Lautsprecher Teufel guarantees proper disposal of these speakers and subwoofers in line with the Electrical and Electronic Appliance Act.



This product corresponds to standards DIN EN 61140 (VDE 0140-1) and IEC 60417 of safety class II and does not require a safety plug, just the plug included (2-pole). The casing has reinforced or double insulation against electric shock.

Attention:

The separating equipment of this equipment is the mains plug, this separating equipment must be usable without difficulties.

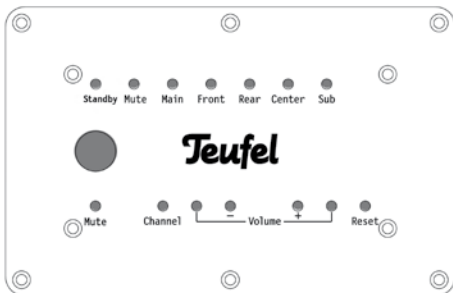
Start-up · remote control

Start-up

Switch on the 5.1 amplifier by setting the mains switch on the rear ⑦ to “On” and set the operation mode switch (“Off/Auto/On”) ① to “Automatic” mode (middle position). If your PC/DVD player is switched off or is not sending output to the 5.1 amplifier, the 5.1 amplifier will be in standby mode. The 5.1 amplifier switches on automatically when it receives an audio signal. If the signal stops, it will automatically return to standby mode after around twenty minutes. When the operation mode switch ① is set to “On”, the 5.1 amplifier will stay on permanently (regardless of whether a programme is running or not).

Settings on the display

It is also possible to perform all equalisation settings on the subwoofer of the Motiv 5 using the remote control. The display for the settings is located on the front of the subwoofer.



The “Mute” button immediately mutes the complete system; if you press it again, the system returns to its previous operating status. When the system has been muted, the LED over the word “Mute” on the front of the subwoofer lights up continuously in red.

The “Channel Selection” button scrolls through each of the available control areas of the subwoofer.

Use the [+] and [-] keys in the “Volume” area to set each required level. During level increases or decreases, the adjoining LEDs flash red. Once the maximum or minimum level has been reached, the respective LED lights up constantly.

You should ensure that all of the speakers generate the same level at the listening position. In order to achieve this, it is best to use a sound level meter and the signal generator built into the DVD player/AV receiver.

The level set is automatically saved by the subwoofer.

Press the “Reset” button to reset the system to its original factory settings.

What is shown on the subwoofer display:

Once the subwoofer has been switched on using the rear main power switch, the Standby LED lights up red when the system is in Standby mode. While the subwoofer is being operated the Standby LED turns dark. In this case, the LED over the word “Main” lights up red. The system is now ready for operation.

Mute = all sounds switched off

Main = Master volume
Front = Volume of the front speakers
Rear = Volume of the rear speakers
Centre = Volume of the centre speakers
Sub = Volume of the subwoofer

The red LED marks the selected channel for adjustment.

With the exception of Reset, all of the above described functions can be accessed by the remote control.

Please note

If you are going to be away for a long period of time or if the 5.1 amplifier is not being used, switch the mains switch ⑦ to “Off”.



Frequently asked questions

The subwoofer is buzzing, what can I do?

These buzzing noises may be produced by connected devices or interference in the power supply. Please perform the following test to help determine the cause of the buzzing.

1. Disconnect all cinch cables from the subwoofer's input jacks. If this eliminates the buzzing noise, please proceed to step B. Otherwise, start with step A.

A. Connect the subwoofer's power cable to a different power circuit (e.g. kitchen or bedroom). If the subwoofer continues to buzz, please contact our support team.

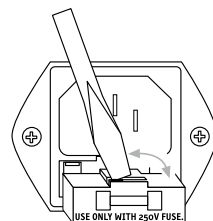
If this action stops the buzzing noise, it means there is interference in your power supply. This may be caused by a dimmer switch or charging devices, for example. To determine the source of interference, please disconnect all electrical appliances from the mains power supply in succession. As soon as the buzzing noise disappears, you have found the source.

B. In this case, an "interference loop" is responsible for the fault. Please proceed as follows in order to ascertain the cause.

→ Disconnect the lead from your cable or satellite connection from the TV receiver and check whether the buzzing noise disappears. If so, use a sheath current filter for the cable connection to stop the loop, e.g. the coax AC 9022 ED sheath current filter. If you have satellite television, please connect the satellite receiver to the Decoderstation using an optical cable like Teufel's optical digital cable.

→ If this action fails to solve the problem, please contact us again so we can provide further individual assistance.

"There is no sound – neither from the satellites nor from the subwoofer"



Please check if the LEDs on the front of the subwoofer display are illuminated; if not, change the fuse of the subwoofer as it might be blown, possibly as a result of a power surge. The Motiv 5's fuse compartment is located underneath the IEC power connector (see illustration of page 16, item 9). Use a small screw driver to lever this out, exchange both fuses and then return the fuse switch to the fuse compartment. The subwoofer should now work - if it does not contact Lautsprecher Teufel.

"The subwoofer doesn't start in auto-standby mode – or goes into standby too quickly"

Please check whether the level settings in the speaker/bass management of the signal source (DVD player, sound card, receiver) is at a high value (around +4 dB to maximum). The higher this value, the sooner the subwoofer will start.

Is the switch on the back of the subwoofer in the middle position "Auto"? During receiver operation: Is the subwoofer out cinch cable from the receiver connected to the front in R of the subwoofer?

"There is no sound or distorted sound from one of the satellites – all of the other satellites are working"

In order to pinpoint the defect more specifically, please swap the non-functioning satellite for a functioning satellite in order to determine whether the defect is in the satellite or the subwoofer. If the previously non-functioning satellite plays on a different channel of the subwoofer, the defect is probably in the subwoofer electronics. If the satellite does not play on a different channel, the satellite is defective.

"There is no sound from the subwoofer – all of the other satellites are working"

You can check the function of the subwoofer by connecting the subwoofer cinch input on the subwoofer only to the output from one of the front channels L/R front on the sound card or a device such as a portable CD player. If the subwoofer now plays, it could not have been getting the correct signal before. Either the cinch cable is defective or the subwoofer output of your source appliance is not generating a signal.

Alternatively, set the subwoofer volume to "minimum" (LED lights up constantly), remove the subwoofer cinch cable from the PC/DVD player/AV receiver, increase the volume carefully and touch the central cinch contact with your finger. If you can hear buzzing or crackling, there is an error in the PC/DVD player/

Frequently asked questions

AV receiver or its settings. If the subwoofer stays silent, please read the following frequently asked questions carefully.

»The Subwoofer switches off after playing high volumes for a long time (the satellites keep on playing).«

It is possible that you have operated the Motiv 5 beyond its performance limits.

If the system is operated with excess volume, the safety shut-down may activate. This safety shut-down is mandatory for safety reasons and prevents the power pack, the power amplifiers and the speakers from sustaining damage. When this shut-down switch is activated, it means that the system has exceeded its performance boundaries.

Our problem-solving tips:

- ▶ Position the speakers of the Motiv 5 closer to where you are sitting. Then less power will be needed for loud sound reproduction.
- ▶ Use an AV receiver to power the satellites with power. This relieves the power supply and the power amplifiers of the Motiv 5.

However, a fault condition cannot be ruled out if the Motiv 5 switches off at lower volumes in rooms of 30m² or less.

We are unable to authorize additional active cooling of the power amplifier. It no longer corresponds to the specifications for the operation of our products. Failures caused in this way can clearly be attributed to negligent action by the user. As operation with active cooling has a direct effect on the function of the product, it voids all guarantee claims.

“The subwoofer does not play with stereo sources such as music CDs (on PC/DVD player)”

The Motiv 5 is purely a playback system – it has no built-in decoder function. Therefore it is “dependent” on external decoders splitting the signals. This decoder is a component of the sound card or DVD player software. If the signal only plays on two satellites in stereo mode, for example, the correct allocation in the software of the sound card/DVD player is either not possible or not correctly set.

The Motiv 5 is “blameless” – it only plays back the signals it receives. Therefore, correct allocation in the software of the sound card/DVD player is essential. Please contact the support department of the sound card/DVD player manufacturer.

“I can hear background noises that only occur at certain volumes”

When the background noises keep occurring at certain levels in “steps of 10”, the phenomenon you have described is a design-

dependent peculiarity of the Motiv 5 and not a defect. As you can set the volume yourself using the volume options on your PC/DVD player, instead of using the remote control and the equalizer on the subwoofer, this critical setting point can simply be avoided in everyday life.

“I’m receiving radio/interference signals”

In rare cases it may be possible to receive radio/interference frequencies; this depends on the local environment. Please remove all cinch cables from the subwoofer and check whether the interference still occurs. We recommend trying out shorter, higher quality, shielded cinch connection cables.

“The satellites crackle”

Please disconnect the Teufel speaker system from your PC or other connected devices by loosening the cable connection and check whether the “crackling” stops. Try operating the set with a different power source/in a different room (just use an extension cable). If you can still hear the crackling, please check which satellite is affected by swapping them over and finding out whether it is the satellite or the subwoofer electronics that are generating the excessive crackling. If the fault “moves” with the satellite, the satellite is affected. On the other hand, if the crackling is still on the same channel, the subwoofer amplifier electronics are responsible.

“The satellites hiss”

Generally speaking, the Motiv 5 is a very low-noise system. In the high range area, very good-quality high-resolution speaker systems can expose the defective quality of a signal source (e.g. from mp3 files or analogue cassette recordings) that is hardly noticeable on less high-quality speakers.

You can check the basic noise level by connecting an output signal (via a cinch cable) from an external source that is guaranteed to be good quality – such as a music CD on a portable CD player – to the front L/R input on the subwoofer. If all of the satellites are now playing noise-free, then they were not getting the correct signal before. Either the cinch cable is defective (try swapping them) or the output of your source appliance is not producing a sufficient signal.

However, if you continue to hear increased noise on this channel there is possibly a fault in the Motiv 5. Please check which satellite is affected by swapping the satellites over and finding out whether it is the satellite or the subwoofer electronics that are generating the excessive noise. If the fault “moves” with the satellite, the satellite is affected. On the other hand, if the noise remains on the same channel, the subwoofer amplifier electronics are responsible.

“When I switch the PC on or off I can hear a loud snapping or crackling.”

The speaker system reproduces any kind of acoustic signal that it receives from the signal source. It cannot differentiate between useful and disruptive signals. When the PC's sound card transfers the on/off impulses to the box set, the speakers will reproduce it. These will not usually damage your speakers. Nevertheless, we recommend minimising the volume using the PC's software before switching off, in order to limit these strong impulses.

Basic function test

You can check the function of the subwoofer and the satellites by only connecting the (stereo) signal from an external source that is guaranteed to be good quality – such as a music CD played on a (portable) CD player – via a cinch cable (and possibly a Y adaptor) with the front input L/R on the subwoofer.

The other four inputs on the subwoofer do not need to be occupied (= cinch cable disconnected). Using this connection set-up for front in L/R, the Motiv 5 amplifier activates all satellites and the subwoofer via internal distribution.

If the subwoofer and all five satellites now play the signal from a directly connected CD player properly, the Motiv 5 was not receiving the correct signal before.

Either the cinch cable is defective (try exchanging it) or the output of your source appliance is not producing the correct signal. If you continue to experience unwanted noise/individual malfunctions, there is possibly a defect in the Teufel system.

Cleaning

To make sure you are able to enjoy your product from Lautsprecher Teufel for a long time, please note the following tips:

Do not expose the casing to direct sunlight.

Avoid extreme temperature differences and protect your speakers from moisture.

When cleaning the speaker, only use a slightly damp or dry cloth. Abrasive cleaners and products that contain alcohol should be avoided. Remove dust from the membrane very carefully with a dry cloth.

Technical data

Technical data can be found on our homepage at:
www.teufelaudio.com.

Teufel

Please contact our service department if you have any questions, suggestions or if there is anything you think we could do better.

Lautsprecher Teufel GmbH

Gewerbehof Buelowbogen · Buelowstraße 66
D-10783 Berlin (Germany)

Ph.: 00800 200 300 40
Fax: +49(30) 300 930 930
www.teufelaudio.com

All information is provided without guarantee of correctness.
Subject to technical changes; typing errors and mistakes
excepted.



Decoderstation 5

Teufel

For your information

The information in this document may be changed without advance notification and does not represent any obligation on the part of Lautsprecher Teufel GmbH.

No part of these operating instructions may be copied in any way, whether electronically, mechanically, using photocopies or recordings, or transferred without the prior written agreement of Lautsprecher Teufel GmbH.

© Lautsprecher Teufel GmbH
Version 1.2, May 2009

Trademarks

© All trademarks are the property of their respective owners.



Dolby

Manufactured under license from Dolby Laboratories.

"Dolby"; "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.



DTS

Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS and DTS Digital Surround are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc.
©1996-2008 DTS, Inc. All Rights Reserved.

Original packaging

We recommend that you keep the packaging if you want to take advantage of your right to return goods within eight weeks, because we can only accept the Decoderstation 5 IN ITS ORIGINAL PACKAGING. We are unable to supply empty boxes!

Contact

Please contact our service department if you have any questions, suggestions or if there is anything you think we could do better:

Lautsprecher Teufel GmbH
Buelowstrasse 66
D-10783 Berlin (Germany)
Tel: +49 (0)30-30 09 300
Fax: +49 (0)30-30 09 30 30
www.teufel.eu

Technical data

Technical data can be found in the product description on our website at:
www.teufel.eu

Warranty terms

There is a two-year warranty on equipment and labour for electronics, starting from the date of purchase, with the exception of damage caused by incorrect use or electrical or mechanical overload. An original copy of our invoice is required as the warranty document. This warranty is only valid for electronics that was purchased from Teufel by end users for their own private use. The warranty is not valid for electronics that the end user has purchased from a different distributor. For third-party products, the warranty conditions of the respective manufacturers shall apply. If the Teufel product is sold on privately, the warranty may be transferred to the purchaser, providing that the original proof of purchase is also transferred.

Returns

Teufel grants customers the right to return or exchange goods within eight weeks of purchase, with reimbursement of the full purchase price paid. The return of individual components from a set is only possible if these components are also offered for sale separately by Lautsprecher Teufel. If one or more components are returned, any price discount given by Lautsprecher Teufel on all components in a set as part of the price for the set is waived. When returning a component, the customer will be reimbursed for the price difference between the set price and the purchase price of the individual components retained by him/her. The financial outcome for the customer is as if they had bought the remaining components at the individual price from the outset.

You can find more information on the subject of returns on the returns form that accompanies the delivery or online in the support area of our website, www.teufel.eu.

If you need to return an item, do not act without the prior agreement of Lautsprecher Teufel.

We can only process and accept returns if you have told us about the return by telephone first and discussed the procedure with us!

Contents

Table of contents	3
Instructions for safety and care	4
Welcome	5
Unpacking • Contents • Attachments	6
Introduction	7
Function	8
Front/Display Decoderstation 5	8
Back/Decoderstation 5	9
Remote control	10
Connection	12
Signal sources with digital and analogue outputs	13
Setting the Decoderstation 5	14
Menu structure	14
Overall volume and equalising the speakers	15
Input source, surround and speaker configuration and equalisation	16
Setting the delay	17
Setting the speaker size	18
Troubleshooting	19

Instructions for safety and care

Please read the following safety information carefully.

Risk of suffocation – keep packaging materials (e.g. the plastic bags and film) out of the reach and sight of children. Risk of electrocution – do not leave children unsupervised with electrical devices!

In case of emergency:

If any of the following occur, disconnect the appliance from the mains and consult our technicians:

- ▶ *If the plug or cable is damaged*
- ▶ *If foreign bodies or liquid have entered the appliance,*
 - ▶ *If the appliance has been in direct contact with rain or other water,*
- ▶ *If the appliance does not play, even if you have followed the instructions for use*
 - ▶ *If the appliance has been dropped or damaged in some other way.*

We cannot accept any responsibility for incidents that occur because safety information has not been adhered to.

Important: Please read through these operating instructions very carefully! It is essential that you take note of all of the safety information and operating instructions before switching on the appliance. Please keep these operating instructions in a safe place for future reference.

Essential: Please read the operating instructions. You should also follow all instructions for start-up and ongoing use

Caution – moisture and sunlight: Never operate the appliances in damp rooms, i.e. near baths, showers, wash basins, drains, in damp cellars or next to swimming pools. Never expose the device to high humidity and do not place it in direct sunlight. Do not expose device to dripping or splashing water. Do not place objects filled with liquids, such as vases on the device.

Information on location: Do not use the appliances unsecured in vehicles, in unstable places, on wobbly stands or furniture or supports that are too small. The speakers could fall down and injure people, including you. The appliance must not be placed near sources of heat. This includes radiators and heaters, ovens and other appliances that emit heat (e.g. amplifiers). Sources of heat may not be placed on the appliance e.g. fan heaters or candles.

Ventilation: Any slits and openings in the casing have been provided for ventilation. Their purpose is to guarantee reliable operation and to prevent the appliance from overheating. These openings must not be blocked or covered, including by placing the appliance on a bed, sofa, carpet or other soft surface. Do not place any newspapers or table cloths, etc. on the appliance. Additional active cooling of the appliance is generally not permitted.

Electrical supply: The appliance must only be supplied from a power source with the correct voltage, as specified on the identification label. If you are unsure about the electricity supply in your home, please contact us or your electricity supplier for more information. Only the mains adapter provided should be used for the electricity supply. This mains adapter must not be modified under any circumstances. Regulations on polarity and earth connection must be adhered to. Only use an appropriate mains plug for the mains cable.

Information on wiring: Please place the power cord flat and flush to the wall and floor. Cables that are laid loosely present a trip hazard. This could also result in interference and cause the sound to be disrupted. The electricity supply cable should be laid so that it is not likely to be stepped on or squashed from the sides or above by heavy objects. Damaged cables must be replaced. Pay particular attention to the cable/plug connection, the mains socket and the cable output from the subwoofer. If a fault is discovered, the appliance and the cabling must be disconnected from the mains immediately and the defective cable must be replaced. Remove the appliance's power supply cable from the socket for longer periods of absence or non-use.

Batteries: Be sure to insert the batteries with correct positive (+) and negative (-) polarities. Use batteries of the same type; never use different types of batteries together. If the

batteries leak remove them immediately and wipe away the liquid inside the battery compartment. Risk of explosion! Never throw batteries in a fire. Batteries must not be exposed to sun or heat.

During thunderstorms: In order to avoid damage caused by lightning strikes, the appliance should be switched off and also unplugged from the mains socket as soon as a thunderstorm is expected.

Risk of overload: You should not overload wall sockets, extension cables or integrated appliance sockets, because this could potentially lead to short circuits and even fires. Avoid turning up the volume control very high even when using a compatible amplifier.

Foreign bodies and liquids: Foreign bodies and liquids must not get into the appliance via its openings under any circumstances, as they could come into contact with parts carrying high voltages, which could then cause short circuits and fires. Therefore, do not spill any liquids of any kind on the device.

Troubleshooting: Do not attempt to repair the appliance yourself. Contact our service department first for authorisation, if you think that you can repair the fault yourself. Otherwise the appliance must be sent in for testing.

Unusual sounds: Any unusual sounds occur during use or the sound becomes distorted, the speaker output must be reduced immediately so that the system plays an undistorted sound.

Information on volume: Loud noises can damage hearing. Sudden high sound pressure may be created, particularly if a subwoofer in »Standby/Auto Onk mode is switched on by a bass impulse at full volume. In addition to physical damage, please be aware of possible psychological consequences. Children and pets require particular care. If necessary, set the volume control of your signal source device or amplifier to a low level. At high volumes, always keep a certain distance from the appliance and never have your ears right next to the speaker.

Care instructions and cleaning

To make sure you are able to enjoy your Lautsprecher Teufel product for a long time, please note the following tips:

- ▶ Do not expose the case to direct sunlight. Avoid extreme fluctuations in temperature and protect your speakers from moisture.
- ▶ Please only use a lightly dampened or dry cloth to clean the Decoderstation 5.
- ▶ Abrasive cleaners, products that contain alcohol and household chemicals should be avoided.
- ▶ Disconnect the appliance from the mains before cleaning.

Teufel Decoderstation 5



Dear Customer,

many thanks for buying the Decoderstation 5.

You have bought a very high quality decoder, because Teufel appliances are fitted with high quality components and have been carefully made.

Please read these instructions carefully before operating the unit and store the manual in a safe place for future reference. If you have any questions you can contact our engineers on +49(30)-300 9 300. You can also send us an e-mail using the contact form at www.teufel.eu. Please have your invoice number ready, so we can immediately locate your product and provide the best possible support.

Before contacting us with a question, please read these instructions carefully and visit our website at www.teufel.eu, where you can find the answers to many questions in the »FAQ/Support« area.

Please also refer to our safety information on page 4 of these operating instructions and only use the appliance once you have read the safety information.

Please take note of the serial number displayed on the sticker on the box (e.g. DE00509070122A-025) and this invoice number:

My INVOICE NUMBER is:

.....

My SERIAL NUMBER is:

.....

This serial number and the invoice number make it easier for us to process your request quickly if you require service.

Please make a note of your serial number and invoice number.

You can order the optional attachments shown directly from our online store: www.teufel.eu.

Unpacking

Fold the flaps on the top of the box outward, remove the rigid foam or polystyrene and carefully lift the appliance out of the box.

For your own benefit, we recommend that you do not dispose of the box as it can be used to guarantee safe transport if the device requires servicing later on.

Contents

- ▶ 1 x Decoderstation 5
- ▶ 1 x Infrared remote control
- ▶ 1 x Batteries for the remote control
- ▶ 1 x Mains adapter
- ▶ 1 x Operating instructions

Warning:

Explosion hazard with inappropriate replacement of the battery. Replacement only by the same or an equivalent type. Not expose batteries to excessively warm as sunshine, fire or like. If you plan to not use the device for a longer period of time: remove the batteries from remote control and store them appropriately to prevent possible damage from leaking.

Accessories (optional)



Mono-cinch cable

You can connect the Decoderstation 5 to a coaxial digital output using the mono cinch cable available from our online shop.



Optical fibre (Toslink)

You can connect the Decoderstation 5 to appliances with an optical digital output using the optical fibre cable available from our online shop.



Equalisation measuring device

The equalisation measuring device also available from our online shop allows the Decoderstation 5 to be precisely equalised. We advise using a gauge measuring device because you cannot achieve a similarly good result by equalising the levels by ear.



Teufel Y adapter cable

The first choice for sound connections from PC or portable CD or MP3 players to the Decoderstation 5. Connection to almost any sound card is ensured by using the thin plug on the 3,5mm jack. Available in 1,5 metre, 2,5 metre and 5 metre lengths.

About the Decoderstation 5

Decoderstation 5 is a stand-alone decoder that can be used to process audio signals from analogue and digital sources.

The appliance not only makes it possible to switch between various signals, it can also enhance stereo signal sources, for example, for a surround sound experience. The Decoderstation 5 is the perfect appliance for anybody who wants to operate a fully active speaker set without missing out on the comprehensive features that are otherwise only offered by AV-receivers.

The following signal sources can be connected to the Decoderstation 5:

Digital signal sources

The Decoderstation 5 can decode digital signals and reproduce them via the integrated analogue 5.1 multi-channel output. Digital sources such as DVD players that can transfer multi-channel digital sound tracks with the appropriate media (e.g. film DVDs) are especially well-suited to this type of connection. The digital signals are transmitted to the optical or coaxial connections of the Decoderstation 5.

Analogue signal sources

The Decoderstation 5 also offers ample connection options for analogue stereo sources. A total of three cinch stereo inputs are available for the same number of stereo signal sources. These two-channel stereo signals can be emitted with the Decoderstation 5 in various surround modes (configurations), for example in Dolby Pro-Logic II format encrypted in the stereo signal. This means that it is possible to reproduce all stereo sources effectively over several channels, either with or without the use of rear surround speakers.

Analogue 5.1 signal input

The Decoderstation 5 has an analogue 5.1 input. You can connect the appropriate signal sources, e.g. from a computer soundcard, here and forward them to the connected sound system.

Equalising the 5.1 speaker system

In addition, the comprehensive setting options of the Decoderstation 5 allow perfect equalisation of the speakers and therefore audio adjustment for your individual loudspeaker settings.

Function: Front / Display Decoderstation 5

Description of the display and operating elements on the front of the Decoderstation 5.



Switching on the Decoderstation 5

Switch on the Decoderstation 5 by pressing the dial control. The appliance will be ready for use after a few seconds. A progress bar will be shown in the display during this time.

Switching off the Decoderstation 5

Switch off the Decoderstation 5 by pressing the dial control for one second. Alternatively you can use the »Off« button on the remote control, which immediately switches off the appliance.

Standby

Soft blue illumination around the main dial indicates stand-by mode and that the Decoderstation 5 is ready to start up.

Display

The two-line display is your central information source about the status of the Decoderstation 5. All setting parameters are displayed here.



Note

Please note that the Decoderstation 5 display will automatically return to its default state after a few seconds if no input has been given.

Default display state

The left of the top line always shows the signal source selected: »5.1« for analogue multi-channel input, »OPT1« and »OPT2« (optical inputs), »COAX1« and »COAX2« (coaxial inputs) and »TV«, »CD« and »AUX« (analogue stereo inputs).

The overall volume is displayed in the form of a bar display to the right of this. The second line shows the surround configuration that is active at that time for the selected input.

More information on volume control and the sound configurations provided can be found on pages 15 and 16.

Operation from the appliance itself

You can control all of the Decoderstation 5 menu functions using the dial control, its push function, and the return button. An overview of the menu can be found on page 14.

① Dial control with push function

The dial control is used to select menu items, specific parameters, and to adjust values. It controls the overall volume of the system in its default setting.

The push function of the dial control performs several functions:

- ▶ Calling up the main menu from the default setting
- ▶ Confirmation of selection and access to submenu
- ▶ Exiting submenu/value input
- ▶ Confirmation of input - certain parameters, for example configuration of speaker size, require input confirmation in order to be accepted.

② Return

While you are descending the menu structure of the Decoderstation 5 using the push function of the dial control, the return button is used to navigate the next menu level up or to leave the entry field without entering any new values.

For example, if you are equalising an individual speaker, pressing Return once will take you to the next menu up and pressing it twice will take you to the main menu. Pressing Return several times lets you quit the menu input and the Decoderstation 5 will return to its default display state.

③ Mute

Pressing the button once will mute the Decoderstation 5. If you press it again the appliance will return to the level previously selected. The mute state is shown in the display of the Decoderstation 5.

Function: Back/Decoderstation 5



Description of the connections on the back of the Decoderstation 5 and their functions.

5.1 Channel Output (Pre Out)

A decoded analogue multi-channel sound signal is emitted via an analogue 5.1 output. Alternatively you can also use the outputs for the left and right front channels for reproduction in stereo. One cinch cable is required per channel to connect to an external appliance (e.g. a subwoofer with multi-channel input), that is a total of six mono cinch cables or three stereo cinch cables.

- ▶ Front left/right: Sound outputs of the left and right front channels
- ▶ Centre: Sound output of the centre channel
- ▶ Sub: Subwoofer output
(The subwoofer output reproduces the frequency area below 150Hz).
- ▶ Rear left/right: Sound outputs of the left and right surround channels.

5.1 In

The Decoderstation 5 has an analogue 5.1 input. You can connect the appropriate signal sources, e.g. from a professional computer soundcard, here and forward them to the connected sound system.

TV · CD · Aux · Stereo In

You can connect the stereo cinch cable (left / right) for connection to the analogue outputs of your stereo reproduction appliances (e.g. TV set, CD player, video recorder etc.) here.

Optical 1 · Optical 2 (Digital In)

For connecting the decoder with a digital signal source in optical format (Toslink). You can buy the cable required from the Lautsprecher Teufel on-line shop.

Coaxial 1 · Coaxial 2 (Digital In)

For connecting the decoder with a digital signal source in coaxial format (cinch).

+ 12 V

DC in power supply from included AC wall adapter.

Note

You will need an extra phono pre-amplifier to connect a record player.

Function: Remote control



With the included remote control you can fully control all of the Decoderstation 5 settings from the comfort of your sofa.

Standby

Activate the Decoderstation 5 using the standby button of the remote control. Switches the device to active operation (press once) or back into standby mode (by pressing again). You can always tell if the device is ready for operation because the background of the dial control will light up.

Mute

Pressing the button once will mute the Decoderstation 5. If you press it again the appliance will return to the level previously selected. The mute status is shown in the display of the Decoderstation 5.

You can select the required input using the selection buttons on the remote control.

5-1

Direct selection of the analogue 5:1 signal input on the back of the decoder as input source.

Optical 1 - 2

These buttons select one of the two optical digital inputs on the back of the decoder as input source.

Coax 1 - 2

These buttons select one of the two coaxial digital inputs on the back of the decoder as input source.

TV - CD - Aux

Each of these buttons select one of the three analogue stereo inputs on the back of the decoder as input source.

Display

Pressing this button once switches the LC display off. Pressing the button again switches the LC display back on.

Return

Pressing the return button once will end the current screen menu or return to the default display state.

Function: Remote control

Mode

You can select the various surround configurations of the Decoderstation 5 by repeatedly pressing this button.

Speaker

You can select the various speaker configurations of the Decoderstation 5 by repeatedly pressing this button.

Test

After this button has been pressed, the Decoderstation 5 produces test signals for equalising the speakers. The test signal is then emitted from each loudspeaker in turn (see p. 15 – equalising the speakers).

Volume +/- (speaker symbols)

You can use these two buttons to increase or reduce the overall volume of the Decoderstation 5 or the individual speaker levels. The current setting is shown in the LC display.

Left/right arrow

Pressing these buttons triggers the same functions as rotating the control wheel on the Decoderstation 5.

OK

Pressing this button triggers the same functions as pressing the dial control on the Decoderstation 5 (push function).

Front L.

This button leads straight back to the volume control of the left front speaker.

Front R.

This button leads straight back to the volume control of the right front speaker.

Centre

This button leads straight back to the volume control of the centre speaker.

Side L.

This button leads straight back to the volume control of the left surround speaker.

Side R.

This button leads straight back to the volume control of the right surround speaker.

Subwoofer

This button leads straight back to the volume control of the subwoofer.

Inserting or changing the batteries.

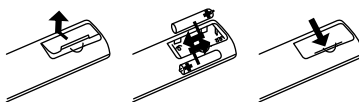
Please change the batteries if the remote control stops working even when right next to the Decoderstation 5.

Please note:

- Do not combine new and old batteries
- Do not use different types of batteries
- Observe polarity and the markings in the battery compartment

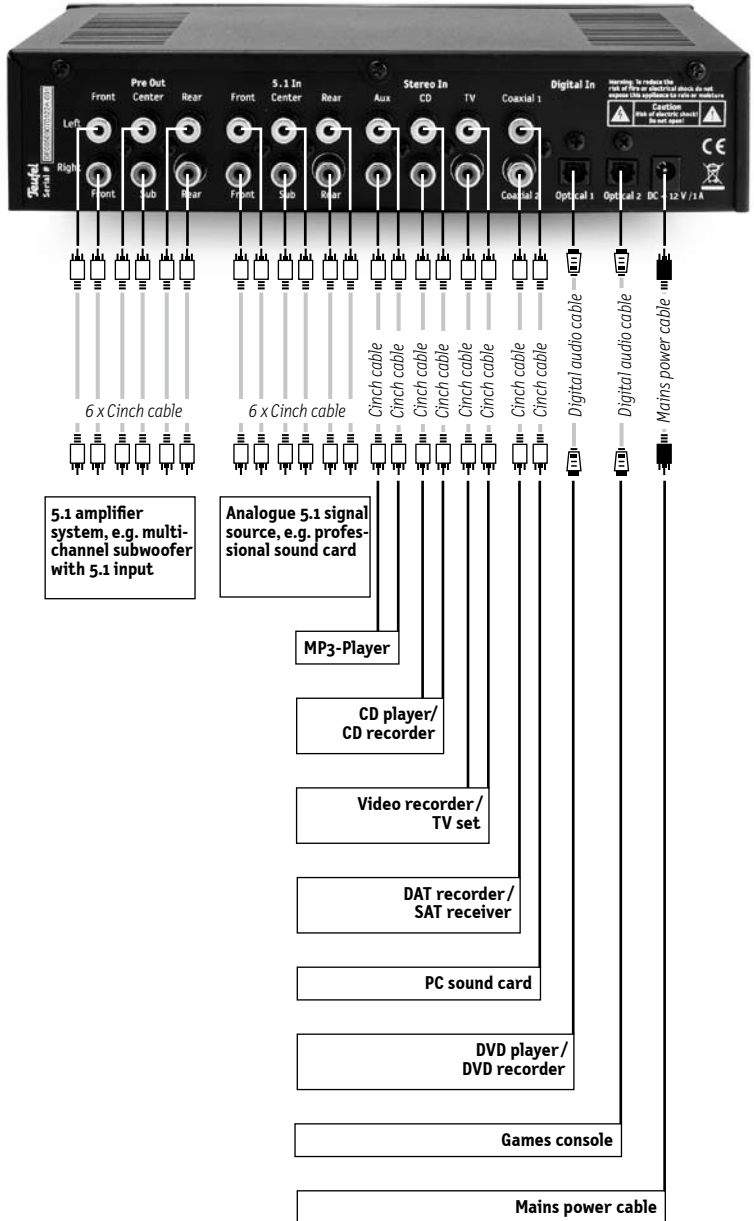
Note

You can reproduce all of the functions of the dial control using the OK button and both arrow buttons, left and right.



Connection

Example allocation of inputs and outputs of the Decoderstation 5



Connection

The Decoderstation 5 is perfect for combining digital and analogue signal sources. With four digital and three analogue inputs and an analogue 5.1 signal input it offers connections for numerous signal sources.

Connecting digital signal sources

The Decoderstation 5 automatically recognises the signal format transferred via the digital inputs, decodes the data flow and changes it into a stereo or multi-channel signal.

Connection to one of the two optical digital inputs

E.g. sound card with digital output, CD player, DVD player/recorder and sat receiver etc.

Use an optical digital cable (Toslink) to connect appliances with optical digital output.

Before connecting the optical digital cable, remove the protective caps from the fibre optics and connection jacks. You can obtain the optical cable required from the Teufel online shop.

Connection to one of the two coaxial digital inputs

E.g. sound card with digital output, DVD player/recorder, sat receiver and games console etc.

Use a cinch cable for connecting appliances with coaxial digital output.

Connection of signal sources with analogue outputs.

In addition to the digital inputs, the Decoderstation 5 also has three analogue stereo inputs.

They can be assigned to analogue appliances of your choice, for example, a stereo sound card, an MP3 player, a TV set, CD player, or video recorder etc.

Either a stereo cinch cable or a 3.5mm mini-jack-Y adapter cable is required per appliance (e.g. for connecting to an MP3 player).

Connecting an analogue 5.1 signal source e.g. multi-channel computer sound card, etc.

The 5.1 input of the Decoderstation 5 is used for connecting external, analogue 5.1 signal sources, such as a professional sound card or a DVD player with analogue outputs. One cinch cable is required per channel for connection, i.e. a total of six mono cinch cables or three stereo cinch cables.

Using the 5.1 input as a 4th stereo input

If you require an extra (fourth) stereo input, you can use the 5.1 input for that. Connect your analogue signal source, for example a cassette recorder, to the Front Left and Front Right inputs.

When connecting the devices, please note the relevant information in the handbooks for the components used.

Note

The 5.1 input is not influenced by the surround-specific parameters of the Decoderstation 5. Except for changing the overall volume, the signal connected here is only forwarded from the input to the output of the Decoderstation 5.

Select the sound setting »5.1 Direct«.

The other settings relate to the Front Left and Front Right inputs, i.e. to operation as a 4th stereo input.

Setting-up the Decoderstation 5

Menu structure

You can access the default display settings in the main menu by pressing the push button of the dial control once.

You can find more specific information on navigation within the menu structure on page 8.



Note

The display shows arrows during selection. If you follow these arrows, further choices will be made available.

* The availability of these entries depends on the surround and speaker configurations selected.

** The availability of the subwoofer entry depends on the speaker size selected.

*** The delay function is only available for 3.1 stereo and 5.1 stereo speaker configurations.

Menu entry	Selection	Value range
»MAIN MENU«		
»INPUT«	»5,1« »OPT 1« »OPT 2« »COAX 1« »COAX 2« »TV« »CD« »AUX«	
»SURROUND«	»2.1 Stereo« »3.1 Stereo« * »PLII Movie« * »PLII Music« * »5.1 Stereo« * »5.1 Direct« *	
»SPEAKER«	»3.1 Channel« »2.1 Channel«	
»LEVEL«	»Left« »Center« * »Sub«** »Right« »Side L« * »Side R« *	±12 dB ±12 dB ±12 dB ±12 dB ±12 dB
»DELAY« ***	»Center Spk« »Side Spks«	0 - -1,5 m 0 - -8,4 m
»SPEAKER SIZE«	»LLL« »LLL+Sub« »LSL« »LSL+Sub« »LSS« »LSS+Sub« »SSS+Sub«	

Setting-up the Decoderstation 5

Overall volume control

You can control the overall volume of the Decoderstation 5 at any time by turning the dial control. You can reduce the volume by turning the dial to the left and increase it by turning it to the right. The control area ranges from -54dB to +10dB. If »---« is shown on the display, you have selected the minimum volume.



Equalising the speakers*

Before familiarising yourself with the other functions of the appliance, we recommend that you perform a basic equalisation of the volume of the connected speakers. The aim of this equalisation is to set the same volume level at the listening position for each of the channels. This is the only way to achieve harmonious and balanced reproduction of the various channels.

Make sure you are in the best possible and most central place for listening. Press the standby button on the remote control and the Decoderstation 5 will be ready for use. Make sure that all signal-sources, any DVD players connected, are not active. Choose a value of -35 dB, for example, as a reference master volume.

The aim is to set the levels of the centre, sub and rear in relation to the output level set on the front speaker.

Press the »Test« button on the remote control. This activates a test tone that cycles through all satellites and the subwoofer in sequence.



First make sure that the left and right front speakers are set to 0dB. You can select the required speaker simply by pressing a button on the remote control and then adjusting its volume up to ± 12 dB using the volume buttons.

You now can increase or decrease the levels for the centre, both surround speakers and the subwoofer until you can hear these four speakers at

the same volume as both front speakers. Press the »Return« button again to complete the calibration process.

Equalisation by ear often requires several attempts and does not always provide perfect results right away. For perfect equalisation of the speakers we recommend using a volume level measuring device, available online in the Teufel shop. This device will last a lifetime and allows you to make far more precise settings than by ear. Bass levels in particular are often set too loud – exact adjustment is only guaranteed using a measuring device.

Mute

Pressing the button once will mute the Decoderstation 5. If you press it again the appliance will return to the level previously selected. The mute status is shown in the display of the Decoderstation 5.



** You only need to equalise the speakers when using a 5.1 surround set.*

In pure stereo mode, set the volumes for the left and right front speakers to 0dB each.

By lowering r raising one channel you can optimise the sound experience for an asymmetrical listening situation, similar to a balance controller.

Note

Make sure that the emitting amplifier (e.g. Concept E Magnum) reproduces all of the channels at the same volume.

Note

The volume setting of the subwoofer may be slightly different when playing back music compared with playing home cinema sound, depending on the recording quality and mixing. Whereas a solid bass element often predominates on DVDs with lots of special effects, the desired level is sometimes not achieved for music (especially if the set has been set up for ideal DVD playback). Your personal taste is the best guide for finding a compromise between the two sources. You can directly adjust the subwoofer level as required at any time using the »Subwoofer« button on the remote control.

Setting-up the Decoderstation 5

1. »INPUT« – selecting the input signal

You can choose the desired input signal source using the »INPUT« option in the menu.

The following are available:

»5.1«	Analogue 5.1 input
»OPT 1« · »OPT 2«	Optical digital inputs
»COAX 1« · »COAX 2«	Coaxial digital inputs
»TV« · »CD« · »AUX«	Analogue stereo inputs



3. »SPEAKER« – Selecting speaker configuration

You can use the »SPEAKER« option in the menu to tell the Decoderstation 5 which scope the connected speaker set has.

You can choose the following:

- »5.1 Channel«
- »3.1 Channel«
- »2.1 Channel«



* Note

The Decoderstation 5 memorises the selected surround configuration for each input separately.

For example, you can listen to your CDs as a conventional two-channel stereo mix or your DVDs using the optical input, but always in 5.1.

2. »SURROUND« – Selecting surround configuration*

Depending on the choice of speaker configuration (see 3, »SPEAKER«) the Decoderstation 5 offers the following surround modes:

Speaker configuration

»2.1 Channel« »3.1 Channel« »5.1 Channel«

2.1 Stereo	2.1 Stereo	2.1 Stereo
	3.1 Stereo	3.1 Stereo
	PLII Movie	PLII Movie
	PLII Music	PLII Music
	5.1 Stereo	
	5.1 Direct	

The decoupling of the source signal format and the speaker configuration provides you with some practical options: You can expand the two-channel stereo signal to 3.1 (without surround speakers) and 5.0/5.1 (with surround speakers) formats. The two Dolby PLII operating modes expand the reproduction by centre and surround reproduction, according to Dolby specifications.



Use the PLII Movie setting if you are using Dolby Pro-Logic encoded media such as certain video cassettes.

Conversely you can also reproduce a multi-channel signal using a smaller surround configuration, such as 2.1. This downmix function also allows you to replace a missing subwoofer with bass management (see page 18).

If you use digital inputs, Dolby and DTS encoded formats are recognised by the Decoderstation 5 and the sound configurations are set automatically and cannot be changed.

4. »LEVEL« – Equalisation**

You can use the »LEVEL« option in the menu to adjust the levels of all of the speakers that you have registered in the »SPEAKER« menu option.

You can choose between the following entries, depending on the speaker configuration and the speaker sizes registered:

»Left«	The left front speaker
»Center«	The centre speaker
»Sub«	The subwoofer
»Right«	The right front speaker
»Side L«	The left surround speaker
»Side R«	The right surround speaker



By pressing the dial control you can access the equalisation control of the respective speaker from the level menu. You have a control range of $\pm 12\text{dB}$ per speaker.



As a rule, you will only need this menu once for initial adjustment of your surround system. Please read page 15.

Setting-up the centre delay

5. »DELAY« – Delay *

In order for the appliance's digital signal processor (DSP) to be able to convert Dolby and DTS multi-channel signals perfectly, it must be aware of the spatial positioning of the individual boxes to each other. Distance differences between the speakers can be equalised by using a delay. The aim is that the signals from all speakers reach the listening position at the same time.

The Decoderstation 5 assumes that the front and surround speakers (side) are all positioned symmetrically to the listening position. It is also assumed that the front speakers are furthest away from the listening position.

You can use menu entries [DELAY]/[Center Spk] and [DELAY]/[Surr Spks] to enter how much closer the centre and surround speakers are positioned relative to this maximum distance. They should be at a comfortable relative distance to the front speakers.

1. Measure the distance between the listening point and the front speakers.
2. Measure the distance between the listening point and the centre speaker
3. Now subtract the distance from the centre box from the distance from the front boxes. Set this value in the Decoderstation 5; use the closest matching value. **

```
DELAY - REL DIST
Center Spk →
```

Example

Distance to the front speakers = 3,5 metres each,
Distance to the centre box = 2,6 metres.

Subtracting the distances gives the following result: $3,5 - 2,6 = 0,9$ metres.

Therefore the centre speaker is 0,9 metres closer to the listening position than the front speaker.

```
DELAY - REL DIST
Center Spk - 0,9m
```

Setting the surround delay

1. Measure the distance between the listening point and the front speakers.
2. Measure the distance between the listening point and the surround speakers.
3. Now subtract the distance from the surround speakers from the distance from the front speakers. Set this value in the Decoderstation 5; use the closest matching value. **

```
DELAY - REL DIST
+ Surr Spks
```

Example

Distance to the front speakers = 3,5 metres each,
Distance to the surround speakers = 2,0 metres each.

Subtracting the distances gives the following result: $3,5 - 2,0 = 1,5$ metres.

Therefore the surround speakers are 1,5 metres closer to the listening position than the two front speakers.

```
DELAY - REL DIST
Surr Spks - 1,5m
```

As a rule you will only need this menu once for initial adjustment of your surround system.

* Note

The delay function is only available for 3.1 stereo and 5.1 stereo speaker configurations.

** Information

The distance can be entered in 30 cm increments.

Use the setting that is as close as possible to the resulting distance.

Setting up the Decoderstation 5

6. »SPEAKER SIZE«

You can tell the Decoderstation 5 the size of your speakers using the »SPEAKER SIZE« menu option. The 5.1 speaker set-up only consists of five identical speakers, each able to reproduce the full frequency range under perfect conditions. This includes a separate subwoofer that only reproduces the LFE channel. Speakers for home cinema are generally smaller and are therefore limited in the bass range. There is no subwoofer present in other cases.

The Decoderstation 5 comes with bass management to produce a complete sound experience with these systems, too.

The function of this setting: The bass of any channel where bass is limited is routed to the full-area speakers or the subwoofer. If there is no subwoofer the bass and the LFE channel are routed to the front left and right full-area speakers.

You only need to set the speaker size in your system once. The Decoderstation 5 will then distribute frequencies among the speakers automatically and according to the Dolby and DTS standards.

The Decoderstation 5 differentiates between the front speaker pair [F] in »small« or »large«, the centre speaker [C] in »small« or »large«, the rear or side surround speaker pair [R] in »small« or »large« and a subwoofer if one is present [+ Sub].

Seven configurations are available:

The three abbreviations refer to front, centre and surround speakers (FCS).

- »LLL«
- »LLL+Sub«
- »LSL«
- »LSL+Sub«
- »LSS«
- »LSS+Sub«
- »SSS+Sub«

If you have left and right front speakers, centre or surround speakers that are large enough for deep bass reproduction, select a configuration with the entry »Large« at the corresponding position (FCS). This is the case for floorstanding speakers and large shelf speakers.* Select the setting »Small« in other cases.

Then select whether your speaker system has a separate subwoofer. This refers to active subwoofers with built-in amplifiers. Only select a configuration with »+Sub« if this is the case.*



SPEAKER SIZE
← FCS: SSS+Sub

* Notice:

When selecting "Large" in the speaker set-up the subwoofer will only reproduce 1 LFE-channel from a multi channel source such as DVD.

If there is no discrete LFE-channel (e.g. from a stereo source) the subwoofer will not carry a signal as the bass frequencies are directed to the front speakers.

»The rear satellites and/or centre will not play with stereo sources such as music CDs (e.g. via PC or DVD player).«

Use the remote control to switch the decoder into Pro Logic mode or into one of the DSP modes (3.1 stereo, 5.1 stereo).

»The decoder reacts to the remote control of another appliance / another appliance reacts to the decoder's remote control.«

As there are no clear regulations on the distribution of codes, each manufacturer can work with the code of their choice. Unfortunately, occasional crossovers in individual cases cannot be prevented. This is, however, not a fault of the Decoderstation 5!

If you have the option to choose another location and can locate the decoder outside the range of the other device's remote control (and not right next to it) this may reduce this problem, as the reception areas may then no longer overlap.

»The decoder does not respond perfectly to the remote control.«

The batteries may have been inserted incorrectly or they may be discharged: they may need to be inserted correctly or replaced. Operation could be impaired if the decoder is situated too far away or in direct sunlight.

»It is not possible to connect a 6.1 or 7.1 speaker set to the Decoderstation 5.«

The Decoderstation 5 is a 5.1 decoder and is therefore not able to decode a sixth channel (rear). 6.1 or 7.1 operation is therefore not possible.

»You cannot change the surround configuration.«

You are probably using a digital input. If a Dolby or DTS signal is being received at this input, the Decoderstation 5 will automatically switch to the correct sound configuration.

»No Dolby/DTS multi-channel tone is reproduced the digital sources connected.«

The Decoderstation 5 automatically recognises the format of the signal source when reproducing digital sources. If the decoder is not playing a multi-channel tone, there is probably no multi-channel signal present. Digital signal sources do not always have to transfer multi-channel tones but can also emit regular stereo tones (2.0). For example, this is often the case for television reception with digital receivers.

»With computer game consoles no multi-channel tones are reproduced via the digitally connected sound cards.«

Lots of sound chips are able to create surround sound in real time and emit via the analogue outputs on the sound card. However, for transfer using a digital connection, digital encoding of the multi-channel tone in a Dolby AC-3 stream is necessary. This can only be carried out if the sound card is able to perform this decoding in real time and transfer it to the decoder.

At the moment, only game consoles, such as Microsoft Xbox 360 and Sony Playstation 3 and a few sound cards with Dolby® Digital Live support are able to perform real time encoding.

»You cannot switch off the Decoderstation 5 using the remote control.«

Keep pressing the dial control until the appliance starts up again.

»The Decoderstation 5 cannot complete the start process.«

Temporarily remove the main power supply.

Teufel

Please contact our service department if you have any questions, suggestions or if there is anything you think we could do better.

Lautsprecher Teufel GmbH

Bülowstraße 66
10783 Berlin · Germany

Tel.: +49(30) 30 09 30 0

Fax: +49(30) 30 09 30 30

www.teufel.eu

All information is provided without guarantee of correctness.
Subject to technical changes, typing errors and mistakes.