



**M6 STUDIO™**

flat, precise, professional

**M6**  
STUDIO

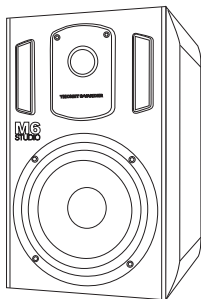
# BEDIENUNGSANLEITUNG - OPERATION MANUAL -

**THONET & VANDER®**

DEUTSCHE DESIGNTECHNIK

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## **M6 STUDIO™**

flat, precise, professional

—

GLASS-ARAMID FIBER COMPOSITE / XRL AND TRS BALANCE INPUT / HIGH FREQUENCIES SELECTOR / HDAATM WOOD.-

Overcome your limits with M6 Studio™. The quality and performance of the M6 Studio™ is a result of the highest level of audio excellence, where we achieved a flat frequency response, with a natural and professional sound. Its exquisite and elegant design makes it the perfect fit for all professional recording and rehearsal studios.

Congratulations on your purchase!

Thank you for choosing us. Thonet & Vander is constantly focused on providing the latest technology with the finest cutting-edge design. Moreover, we look forward to extending your limits and going beyond your senses. The speakers you've just acquired have been designed, developed and produced under the most rigorous German quality standards. All of our products will provide the best performance according to your needs in order to amplify your emotions, making them more real.

We hope you enjoy it!

THONET  
&VANDER

-

DEUTSCHE  
DESIGNTECHNIK



## KIND™

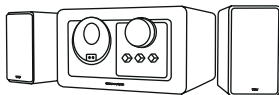
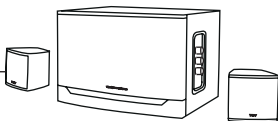
### SOUND OF NEW BREED

25W RMS. Volume and bass control. 3.5mm stereo input/output. RCA stereo input. HDAA™ wood.-

## RISS™

### GREATNESS CAN BE REAL

32W RMS. Volume, treble and bass control. Dual RCA stereo input. HDAA™ wood. Howl bass™. Wider fx™.-



## GRUB™

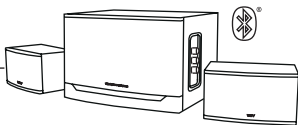
### RETRO STYLE, MODERN VIBES

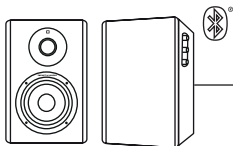
48W RMS. 3.5mm stereo input/output. RCA stereo input. HDAA™ wood. Howl bass™. Wider fx™.-

## LAUT BT™

### SOUL OF PERFECTION

68W RMS. Bluetooth®, Volume, treble and bass control. Dual RCA stereo input. HDAA™ wood. Rage bass™. Wider fx™.-





## KÜRBIS BT™

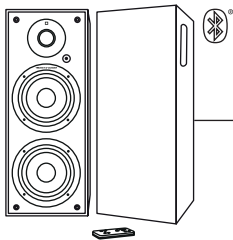
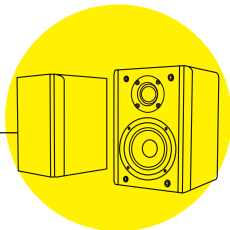
LET THE SOUND FLY

60W RMS. Bluetooth® v4.0.  
RCA Stereo Input. 3.5mm  
Stereo Input. HDAA™ wood.  
Hammer Bass™. Drone Fx™.-

## VERTRAG™

COMPACT SHAPE, WIDE SOUND

32W RMS. Volume, treble, and  
bass control. Dual RCA stereo  
input. HDAA™ wood. Howl bass™.-



## HOCH BT™

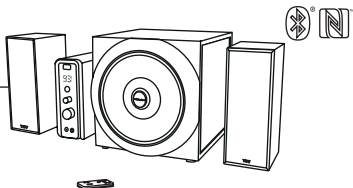
SAME ELEGANCE,  
TOMORROW'S TECHNOLOGY

70W RMS. Bluetooth® v4.0.  
Remote Control. RCA Stereo  
Input. 3.5mm Stereo Input.  
HDAA™ wood. Hammer Bass™.  
Drone Fx™.-

## RÄTSEL BT™

POWER OF FREEDOM

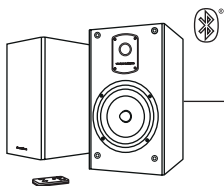
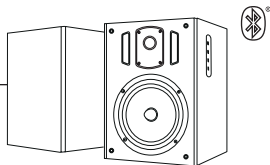
72W RMS. Bluetooth® v2.1.  
NFC technology. Remote control.  
3.5mm stereo input-output. Dual  
RCA stereo input. HDAA™ wood.  
Hammer bass™. Wider fx™-



## TITAN™

LISTEN TO THE BEAST

180W RMS. Bluetooth® v4.0 with aptX®. Remote Control. DSP/S/P Diff optical. HDAATM wood. Rage bass™. Glow fx™.-



## KUGEL™

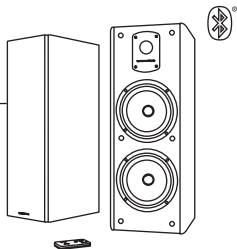
HI-FI SOUND FOR YOU

140W RMS. Bluetooth® v4.0 with aptX®. Remote Control. RCA Stereo Input. S/P DIFF Optical. Active Crossover. DSP. HDAATM wood. Rage Bass™. Glow Fx™.-

## KOLOSS™

MAJESTIC SOUND

160W RMS. Bluetooth® v4.0 with aptX®. Remote Control. RCA Stereo Input. S/P DIFF Optical. Active Crossover. DSP. HDAATM wood. Rage Bass™. Glow Fx™.-



## FLUG™

BREAKING BOUNDARIES

Bluetooth® v2.1. Top range 32x. Smart connection. Power/Pairing Button.-



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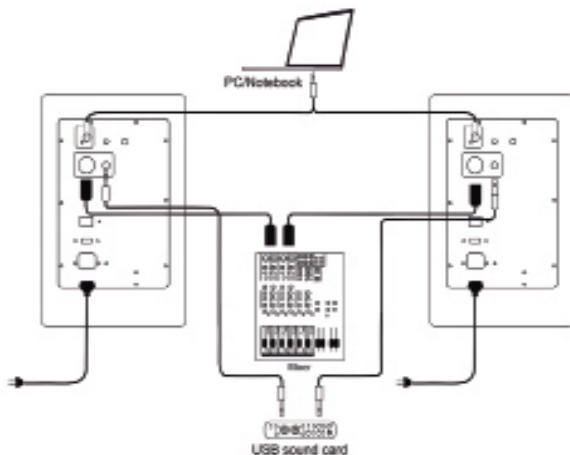
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## INSTALLATION DES SYSTEMS



1. Das M6 Studio™ ist sowohl für symmetrische als auch für asymmetrische Signalübertragung geeignet. Die symmetrische Signalübertragung erfolgt über den Anschluss eines XLR- oder TRS-Steckers (Spitze, Ring, Buchse). Beide angeordnet auf der Rückseite. Die Verkabelung derselben wird auf die folgende Art realisiert:

- Pin 1 und Buchse = Erdung (Masse)
- Pin 2 und Spitze = + Signal
- Pin 3 und Ring = - Signal

Für die asymmetrische Signalübertragung muss die Quelle des Signals an den Cinch-Stecker auf der Rückwand angeschlossen werden. Schließen Sie den Ausgang des Gerätes, welches Sie benutzen wollen (PC, USB-Audiokarte, Mischpult), an den entsprechenden Eingang an und verwenden Sie immer Kabel höchster Qualität.

2. Überprüfen Sie, dass der Wahlschalter für die Spannung, entsprechend der Spannung, die in dem Land verwendet wird, in der richtigen Position steht. Stellen Sie sicher, dass der Netzschalter in der {Aus} Stellung ist. Stecken Sie das Netzkabel in den Anschluss IEC 60320-C8, welcher sich auf der Rückseite des Hauptlautsprechers befindet und dann verbinden Sie das andere Ende mit einer Steckdose.

3. Stellen Sie sicher, dass die Lautstärke der Signalquelle auf Minimum positioniert ist, und schalten Sie das Gerät ein.
4. Spielen Sie die gewünschte Musik und justieren Sie das Volumen und die Höhen entsprechend Ihren Vorlieben.

**Fussnote:** Die Werkseinstellung des M6 Studios™ ist flach (Wahlschalter in der Position 0db). Wenn es die Akustik des Saales verlangt, kann der Wahlschalter in die Position +1dB gestellt werden, um die hohen Frequenzen zu erhöhen (in sehr trockenen Räumen) oder in Position -1dB oder -2dB um das Niveau der Hochtöne zu vermindern (in sehr halligen Räumen).

## TECHNISCHE DATEN

**MUSIKLEISTUNG:** 90 W RMS

**FREQUENZGANG:** 45 Hz - 25 kHz

**KLIRRFAKTOR:** 0,1% 90 dB / 1m> 100 Hz

**S/N:** 80 dB, + 4 dBu

**MATERIAL AKUSTIKBOX:** Holzgehäuse aus HDAA™

**GRÖSSE AKUSTIKBOX:** 330 x 222 x 266 mm

**GRÖSSE TREIBER:** 6.5"

**MATERIAL TREIBER:** Glas-Aramid-Faserverbund

**WIDERSTAND/LEISTUNG:** 4 Ω 80 W

**GRÖSSE HOCHTÖNER:** 1 Zoll

**MATERIAL HOCHTÖNER:** Seide

**WIDERSTAND/LEISTUNG:** 4 Ω 30 W

**ALC (Automatic Level Control)**

**MAGNETISCHE ABSCHIRMUNG**

**STEUERUNG:** Lautstärke, Frequenzwahl.

**CINCH EINGÄNGE:** Unsymmetrische / symmetrische XLR- TRS.

**IMPEDANZ DER EINGÄNGE:** 10 Ω unsymmetrisch / 22 Ω symmetrisch

**EINGANGSEMPFINDLICHKEIT:** 260 mV.

**ACTIVE CROSSOVER**

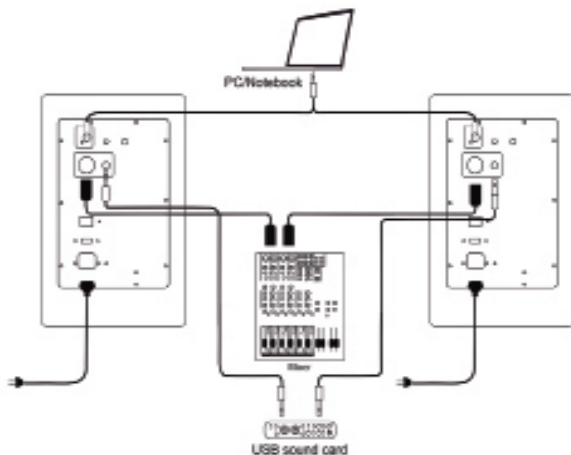
**ÜBERTRAGUNGSFREQUENZ:** 1,9 kHz

**CROSSOVER FILTER:** dritter Ordnung / 18 dB pro Oktave.

## ZUBEHÖR

Stromkabel mit Stecker IEC 60320 C13

## SYSTEM INSTALLATION



1. M6 Studio™ can be used either with balanced signals or unbalanced signals. Balanced signals should be connected by XLR connector or TRS connector. Cable connections must be made in the following way:

- Pin 1 and sleeve = ground
- Pin 2 and tip= signal +
- Pin 3 and ring = signal -

Unbalanced signals must be connected to the RCA connector located on the back panel. Connect your device output (PC, USB audio interface, mixer) to the matching input, using good quality cables.

2. Verify voltage selector. It must be in the correct position according to your country voltage. Make sure the power switch is powered off. Plug the power cable into the IEC 60320 C14 connector located on the back panel and then plug it into an electrical socket.

3. Verify that the signal source volume control position is at min and then turn on the speaker.

4. Play the music you want and adjust volume and treble selector according to your preference.

**Note:** M6 Studio™ factory setting is flat (located at position selector 0dB). You can adjust selector to +1 dB to increase the high frequencies (very dry rooms) or place it at -1dB or -2dB to reduce treble level (highly reverberant rooms).

## TECHNICAL FEATURES

**POWER OUTPUT:** 90W RMS

**FREQUENCY RESPONSE:** 45Hz - 25 kHz

**THD:** 0.1% 90dB/1m > 100Hz

**S/N:** 80dB, +4dBu

**ACOUSTIC BOX MATERIAL:** HDAA™ Wood

**ACOUSTIC BOX SIZE:** 330 x 222 x 266 mm

**DRIVER SIZE:** Woofer 6.5"

**DRIVER MATERIAL:** Glass-aramid fiber composite

**IMPEDANCE / POWER:** 4 Ω 80W

**TWEETER SIZE:** 1"

**TWEETER MATERIAL:** Silk

**IMPEDANCE / POWER:** 4 Ω 30W

**AUTO LEVEL CONTROL**

**ANTIMAGNETIC SHIELD**

**CONTROLS:** Volume, High frequency selector.

**INPUTS RCA:** Unbalanced / XLR-TRS balanced.

**INPUTS IMPEDANCE:** 10 Ω unbalanced / 22 Ω balanced

**INPUTS SENSITIVITY:** 260 mV.

**ACTIVE CROSSOVER**

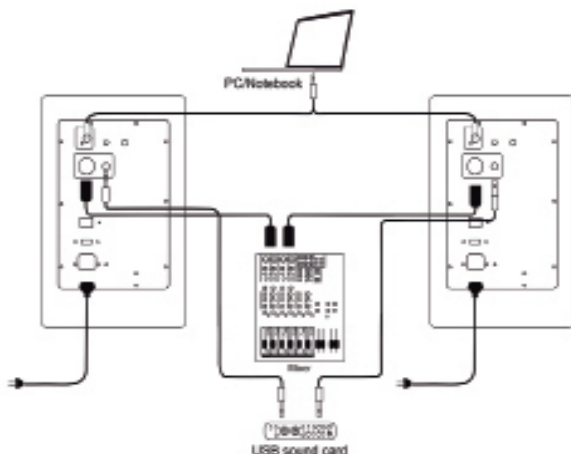
**CROSSOVER FREQUENCY:** 1.9 kHz

**CROSSOVER FILTER:** Third order / 18dB per octave.

## ACCESSORIES

Power cable of equipment with IEC 60320 C13 outlet

## INSTALACIÓN DEL SISTEMA



1. M6 Studio™ puede ser utilizado tanto con señales balanceadas como con señales no balanceadas. Las señales balanceadas pueden conectarse utilizando el conector XLR o el conector TRS (punta, anillo, manga), ambos ubicados en la parte trasera. El cableado de los mismos se realiza de la siguiente manera:

Pin 1 y manga = Tierra (masa)

Pin 2 y punta = señal +

Pin 3 y anillo = señal -

Las señales no balanceadas deben conectarse en la ficha RCA ubicada en el panel trasero. Conecte la salida del dispositivo que desea utilizar [PC, placa de audio USB, consola mezcladora] a la entrada correspondiente, siempre utilizando cables de alta calidad.

2. Verifique que el selector de voltaje esté ubicado en la posición correcta de acuerdo al voltaje utilizado en su país. Verifique que la llave de encendido esté en la posición de apagado y enchufe el cable de alimentación en el conector IEC 60320 C14 ubicado en la parte trasera del altavoz principal. Luego conecte el otro extremo en un tomacorriente.

3. Verifique que el control de volumen de la fuente de señal a utilizar esté posicionado al mínimo y encienda el equipo.

4. Reproduzca la música deseada y ajuste el volumen y selector de agudos según su preferencia.

**Nota:** El seteo de fábrica de M6 Studio™ es plano (selector ubicado en la posición 0dB). Si la acústica de la sala lo requiere puede ajustar el selector en la posición +1dB para incrementar las altas frecuencias (en salas muy secas) o colocarlo en -1dB o -2dB para reducir el nivel de agudos (en salas muy reverberantes).

## ESPECIFICACIONES TÉCNICAS

**POTENCIA DE SALIDA:** 90W RMS

**RESPUESTA EN FRECUENCIA:** 45Hz - 25 kHz

**THD:** 0.1% 90dB/1m > 100Hz

**S/N:** 80dB, +4dBu

**MATERIAL DE LA CAJA ACÚSTICA:** HDAA™ Wood

**TAMAÑO DE LA CAJA ACÚSTICA:** 330 x 222 x 266 mm

**TAMAÑO DEL WOOFER:** 6.5"

**MATERIAL DEL WOOFER:** Compuesto de fibra de vidrio y aramida

**IMPEDANCIA / POTENCIA:** 4  $\Omega$  80W

**TAMAÑO DEL TWEETER:** 1"

**MATERIAL DEL TWEETER:** Silk

**IMPEDANCIA / POTENCIA:** 4  $\Omega$  30W

**ALC (AUTO LEVEL CONTROL)**

**BLINDAJE ANTIMAGNÉTICO**

**CONTROLES:** Volumen, Selector de Frecuencias.

**ENTRADAS RCA:** Unbalanced / XLR-TRS balanced.

**IMPEDANCIA DE LAS ENTRADAS:** 10  $\Omega$  unbalanced / 22  $\Omega$  balanced

**SENSIBILIDAD DE LA ENTRADA:** 260 mV.

**ACTIVE CROSSOVER**

**FRECUENCIA DEL CROSSOVER:** 1.9 kHz

**FILTRO DEL CROSSOVER:** Tercer orden / 18dB por octavo.

## ACCESORIOS

Cable de alimentación del equipo con ficha IEC 60320 C13

## CERTIFICATIONS

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# RoHS

<b>REACH</b> EC 1907/2006	<b>PAH</b>	<b>PFOA</b>	<b>POPs</b> EC 850/2004 EU 519/2012	<b>Packaging and Packaging Waste directive</b> 94/62/EC 2005/20/EC
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## COPYRIGHT AND TRADEMARKS

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Thonet & Vander hereby declares that this speaker is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

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Features and specifications are subject to change without notice.

All other trademarks are trademarks of their respective owners.

Not all the software listed above may be delivered with your model.

## SAFETY PRECAUTIONS





## SAFETY PRECAUTIONS

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**V&T**



## AWARDS

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# WARRANTY

DEUTSCHE  
DESIGNTECHNIK

**THONET & VANDER** ®

Before contacting our official  
service please verify the  
following:

***Read the manual carefully;  
follow the instructions to verify  
that the product works well.***

***To have a better support, we  
suggest you register your product  
on our website  
[www.thonet-vander.com](http://www.thonet-vander.com)***



## TERMS AND CONDITIONS



- 1.** THONET & VANDER (hereinafter T&V) undertakes to satisfactorily take action respect to any defect of its product's material or manufacturing as long as its warranty is valid. If your product presents problems during such term of validity, you will have to contact the point of sale where you acquired such product. Your product shall be examined there to verify whether it is in condition to be accepted and if it has all of its parts. The purchase invoice shall also be requested together with the warranty certificate in case it has been extended on our website [www.thonet-vander.com](http://www.thonet-vander.com).
- 2.** The warranty granted by T&V is valid for all official distributors.
- 3.** The international WARRANTY for T&V Speakers is 1 (one) YEAR from the purchase date. Such warranty may be extended for 2 (two) more years, provided you have registered your product in [www.thonet-vander.com](http://www.thonet-vander.com) within 30 days from your product's purchase date.
- 4.** The product's serial number shall be perfectly legible to execute the warranty in the event of making a claim.
- 5.** Non fulfillment of these terms and conditions shall entail the cancellation of any rights deriving from T&V's international warranty system.
- 6.** Products have been designed to operate with each country's power regulations.
- 7.** Warranty exclusions:
  - 7.1** Defects in the residence's electrical installations, such as overvoltage, low voltage and power surge.
  - 7.2** Incorrect connection, installation and use of this device, failing to comply with the use manual specifications.
  - 7.3** Knocks, mishandlings, accidents of any nature and origin and/or unauthorized modifications that may damage its functioning, at T&V's discretion.
  - 7.4** Repair or attempt to repair by a T&V non-authorized person.
- 8.** This warranty does not cover transport costs.
- 9.** This warranty does not include modifications required to adapt the product to different voltages.
- 10.** Should the device and/or components fail to operate according to the specifications during any time within the warranty period, T&V, at its sole discretion, shall repair or replace such device with no additional charge whatsoever.
- 11.** T&V shall make this warranty effective within 30 (thirty) days from the date of delivery of the device or components to our laboratory. Since these products are manufactured with imported components, the time of repair will depend on the regulations in force on the import of parts.
- 12.** T&V shall not be held liable for any damage and/or injury occasionally suffered by third parties; in no event shall T&V be held liable with respect to the purchaser or any other party that may be damaged, including loss of profit, lost savings or any other direct or indirect action related to the use or inability to use the device or component. In no event shall the liability to the purchaser or any other part (arising out of a claim under a contract or non-contractual obligations) exceed the aggregate amount of the device or component price.

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H E D E S I

G N T E C H

N I K