www.lewitt-audio.com

ADD
MORE
POWER
TO
YOUR
TUNES. MTP 840 DM

SOUNDS LIKE LEWITT

Thank you that you have opted for a LEWITT product. In this operating manual you will learn more about your LEWITT microphone, its handling and its proper usage.

Music professionals know that it's often the smallest details that make all the difference in vocal and instrumental recordings.

With our MTP series, we aim to exceed artists' and audio engineers' expectations of reproduction accuracy and isolation of the main sound source. The new flagships among LEWITT's performance microphones - the MTP 840 DM and the 940 CM are true milestones of audio technology.

All MTP microphones are professional-quality handheld dynamic and condenser performance microphones have been developed specifically for the authentic, crystal-clear reproduction of vocals and are also well-suited for instrumental applications.

Customized frequency responses, a rugged construction, high gain before feedback and extremely low handling noise make all models of the MTP series the perfect fit for any application, any performance and any setting.

LEWITT wishes you a lot of fun and success with this product!

MTP 840 DM

With the dynamic performance microphone MTP 840 DM, LEWITT puts true studio performance onstage. Universally usable thanks to switchable sensitivity and a multi-step high-pass filter, infinitely durable and optimally equipped for punishing touring conditions without compromising on sound – this is what the MTP 840 DM stands for.

Excellent transient response, refined electronics and superior capsule design make the MTP 840 DM a unique tool for onstage use. Innovative circuitry design and the highest-quality components make for exceptionally low self-noise and a maximum of dynamic range when in active mode; the frequency curve, which is specially tailored for vocal recordings, provides the ultimate in sound quality.

Numerous useful features make the MTP 840 DM incomparably versatile onstage and in the studio. A three-step high-pass filter directly influences the proximity effect, allowing adaptation of the mic to an individual artist's requirements. The built-in three-position switchable amplifier, is specially adapted to the MTP 840's components, allowing lossless recording of even far-off sources. The LEDs on the MTP 840 DM, which can be turned off, make checking the mic's numerous settings a direct and easy matter even in the dark.

The new dynamic flagship MTP 840 DM transports the artist's voice in a natural and powerful way, lending his or her voice the necessary presence without falsifying its individual character. Consistent directionality across the entire frequency spectrum makes for maximum protection against feedback, with the flexibly suspended capsule reducing structure-borne noise to a minimum.

Features

- Proprietary dynamic capsule tuned specifically for demanding vocal applications, with brightened midrange and extended low end
- Uniform supercardioid pickup pattern for maximum isolation of the main sound source
- Optional active mode provides superior dynamic range of 121 dB-A and extremely low self-noise of 19 dB-A for ear-catching realism and distortion-free sonic depth
- Optional 3-position switchable amplification (0 dB, 6 dB, and 12 dB) for unrivalled signal quality in demanding environments
- 3-position switchable high-pass filter for direct adjustment of proximity effect according to application and artist
- Illuminated indication of microphone settings for quick and easy handling even in dark environments
- Recessed slide switches prevent unintended change of settings
- Effective integrated acoustic pop and windshield offers excellent protection without compromising high-frequency clarity
- Rock-solid full metal, die-cast body for rough daily touring routine
- Hardened steel mesh grille to prevent wear and abuse
- Minimally affected by varying load impedance
- Corrosion-resistant gold-plated 3-pin XLR output connector
- Comes in a cardboard box including MTP 40 MCs shock mount and DTP 40 Lb artificial leather bag

Top applications

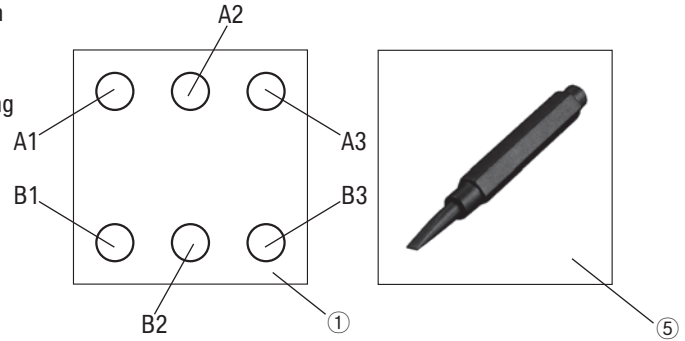
- Lead and background vocals
- Demanding live and studio applications

User-interface

① LED Display
② Operating mode slide switch
③ Gain slide switch
④ High-pass filter slide switch
⑤ Switch tool

LED Display ①

- A1: no high-pass filter active
- A2: 12 dB / octave at 150 Hz
- A3: 12 dB / octave at 250 Hz
- B1: passive mode, no gain
- B2: active mode, +6 dB gain
- B3: active mode, +12 dB gain



Setting the operation mode

Various operating modes can be selected by adjusting the operating mode slide switch ②. Operating modes are:

- ~~P48~~: passive mode, no phantom power
- P48: active mode, 48V phantom power available, LED Display is off
- P48♡: active mode, 48V phantom power available, LED Display is on

Setting a gain level

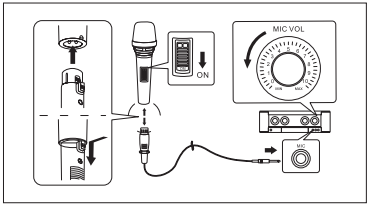
- Gain levels can be selected by adjusting the gain switch ③. Gain levels are: 0 dB (passive mode), 6 dB and 12 dB.

Setting an high-pass filter

- A high-pass filter can be selected by adjusting the high-pass filter slide switch ④. Settings are: off, 12 dB / octave at 150 Hz and 12 dB / octave at 250 Hz. High-pass filters eliminate low-frequency sounds and balance the proximity effect.

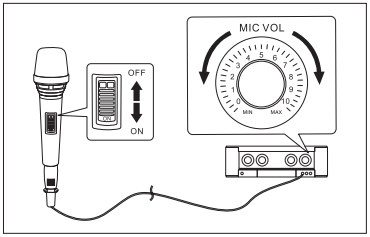
Connecting and Disconnecting the Microphone Cable

- Before establishing connection, make sure that the microphone and the component (e.g. amplifier) are switched off.
- Lower the volume of the component (e.g. amplifier) before connecting the microphone.
- Insert the connector into the microphone socket. Align the key on the connector with the groove in the microphone, and then push the connector into the microphone until it clicks.
- To disconnect the cable from the microphone, pull the connector away from the microphone while depressing the latch lock.



How to Use

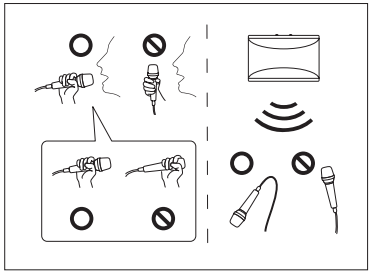
- Set the switch to ON when using the microphone, set it to OFF when it is not in use (only applicable if your microphone has an ON/OFF switch).
- When using the microphone, do not cover any part of the grille with your hand to ensure best sound quality and accurate directivity characteristic.



Hints

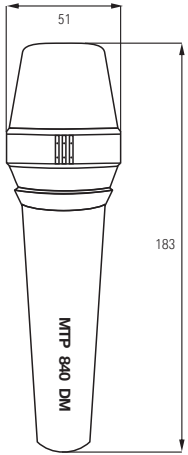
- In order to prevent feedback (howling):

1. Lower the volume.
2. Place the microphone so that it is not pointed to the speaker and that there is a sufficient distance between the microphone and the speaker.
3. Do not cover the lower part of the grille with your hand.



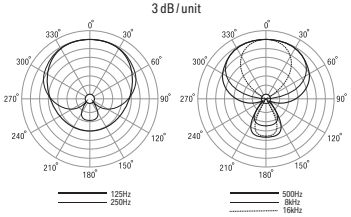
- Positioning the microphone close to the sound source causes the so-called proximity effect (a boost in the low frequency response). This phenomenon can be used to create a richer and warmer bass sound.

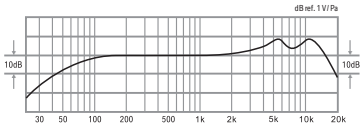
Dimensions



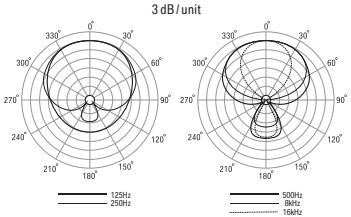
Tech graph

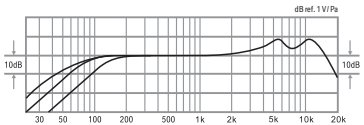
Passive mode





Active mode





Tech data

- Acoustical operating principle: Dynamic, moving coil
- Directional pattern: Super-cardioid
- Frequency range: 40 to 18.000 Hz
- Sensitivity: 3,5 mV / Pa (-49 dBV), passive mode
  7 mV / Pa (-43 dBV), active mode
  14 mV / Pa (-37 dBV), active mode
- Signal / noise ratio: 75 dB-A
- Equivalent noise level: 19 dB-A, Super-cardioid (IEC 61672-1)
- Dynamic range, passive mode: 135 dB-A
- Dynamic range, active mode: 121 dB-A, 0 dB gain
  115 dB-A, 6 dB gain
  109 dB-A, 12 dB gain
- Max. SPL for 0,5 % THD, active mode: 140 dB, 0 dB gain
  134 dB, 6 dB gain
  128 dB, 12 dB gain
- Gain settings, active mode: 0 dB, 6 dB, 12 dB, switchable
- Bass cut filter slope: 12 dB / octave at 150 Hz
  12 dB / octave at 250 Hz
- Rated impedance: < 600 ohms
- Rated load impedance: > 1.000 ohms
- Supply voltage: 48 V +/- 4 V (IEC 61938)
- Current consumption: 5,5 mA (IEC 61938)
- Connector: Gold plated 3-pin XLR
- Dimensions: 51 dia. x 183 mm
  2 dia. x 7,2 inch
- Net weight: 336 g
  11.85 oz

Accessories

MTP 40 MCs

DTP 40 Lb

Cautions

- The capsule is a sensitive, high precision component. Make sure you do not drop it from high places and avoid strong mechanical stress and force.
- To ensure high sensitivity and best sound reproduction of the microphone, avoid exposing it to moisture, dust or extreme temperatures.
- Keep this product out of the reach of children.
- Do not use force on the switch or cable of the microphone.
- When disconnecting the microphone cable, grasp the connector and do not pull the cable.
- Since the microphone consists of precise parts, do not attempt to modify or fix it. Contact qualified service personnel in case any service is needed. Do not disassemble or modify the microphone for any reasons as this will void users warranty.
- The casing of the microphone can be cleaned easily using a wet cloth, never use alcohol or another solvent for cleaning. If necessary the foam wind stopper can be washed with soap water. Please wait till it is dry before using it again.
- Also please refer to the owner's manual of the component to be connected to the microphone.

Warranty

All products manufactured by LEWITT GmbH feature a limited two-year warranty. This two-year warranty is specific to the date of purchase as shown on your purchase receipt.

LEWITT GmbH shall satisfy the warranty obligations by remedying any material or manufacturing faults free of charge at LEWITT's discretion either by repair or by exchanging individual parts or the entire appliance. Any defective parts removed from a product during the course of a warranty claim shall become the property of LEWITT GmbH.

While under warranty period, defective products may be returned to the authorized LEWITT dealer together with original proof of purchase. To avoid any damages in transit, please use the original packaging if available. Please do not send your product to LEWITT GmbH directly as it will not be serviced. Freight charges have to be covered by the owner of the product.

For further information please visit www.lewitt-audio.com or check your warranty card.

CE

LEWITT GmbH declares under its sole responsibility that MTP 840 DM complies with the European directive 2004/108/EC. The product has been tested according to harmonized European standards:
EN 55013:2001+A1:2003+A2:2006
EN 55020:2007
EN 61000-3-2:2006
EN 61000-3-3:1995+A1:2001+A2:2005
Product testing was carried out by TIMCO Engineering Inc., notified body number 1177.

LEWITT GmbH hereby declares under its sole responsibility that MTP 840 DM has been tested and conforms to the following FCC and ANSI standards:
FCC Part 15:2008 Section 15.109
ANSI C63.4:2003
Product testing was carried out by SEM.Test Compliance Service Co., Ltd.

WEEE note: Electronic waste has to be collected separately. Please bring this device to a local recycling center at the end of its life time.

Manufacturers signature:

Date: 25th July 2013
Place: Vienna, AUSTRIA

DI Roman Perschon
CEO – Lewitt GmbH

Declaration of conformity can be downloaded at www.lewitt-audio.com or obtained from info@lewitt-audio.com.

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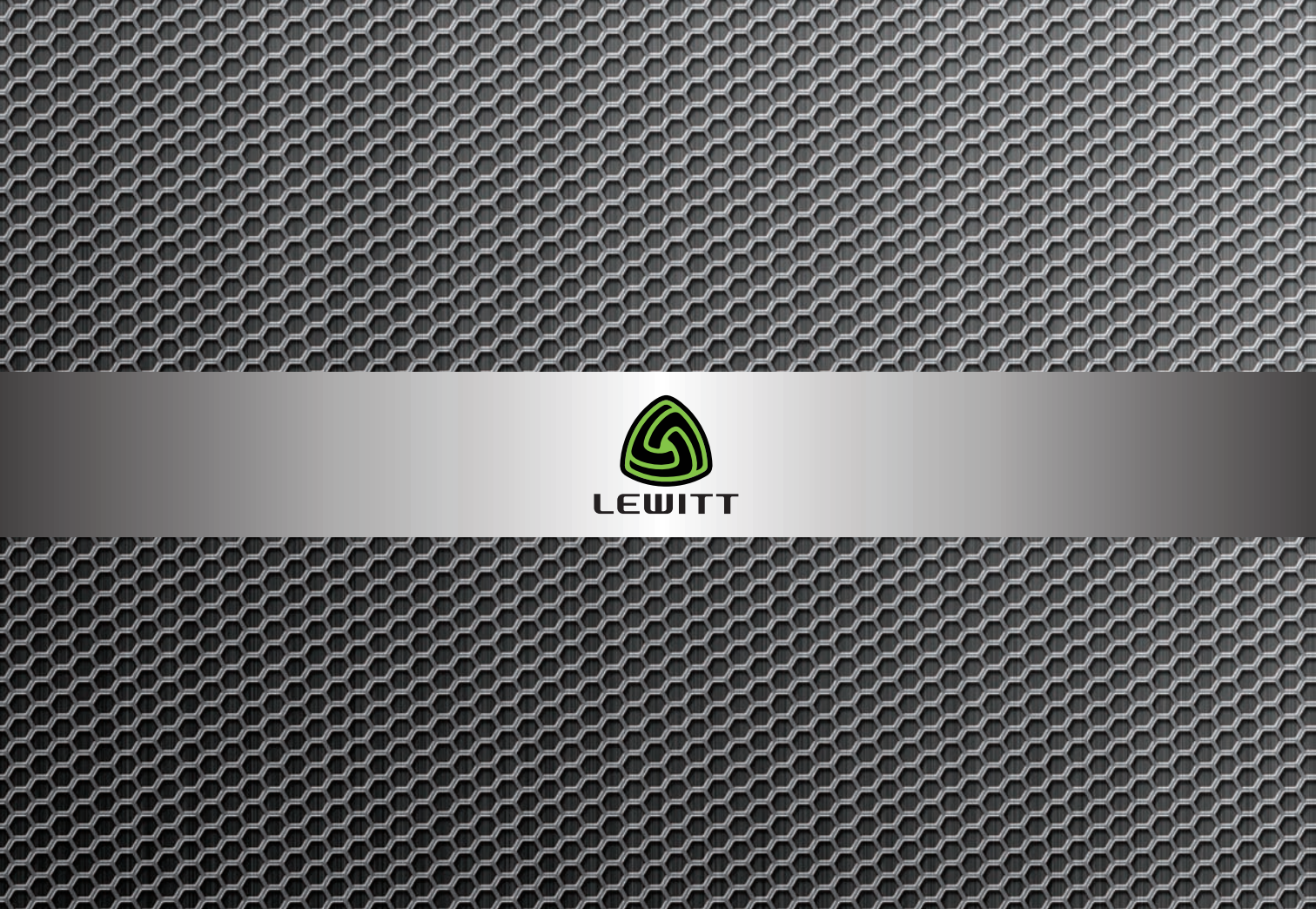
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