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You can read the recommendations in the user guide, the technical guide or the installation guide for BEHRINGER VMX1000. You'll find the answers to all your questions on the BEHRINGER VMX1000 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual BEHRINGER VMX1000  
User guide BEHRINGER VMX1000  
Operating instructions BEHRINGER VMX1000  
Instructions for use BEHRINGER VMX1000  
Instruction manual BEHRINGER VMX1000

**PRO MIXER**  
**VMX1000**



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**Manual abstract:**

3) Heed all warnings. 4) Follow all instructions. @@@@5) Do not use this device near water. 6) Clean only with a dry cloth. 7) Do not block any ventilation openings. Install in accordance with the manufacturers instructions. @@9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety.

If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. 10) Protect the power cord from being walked on or pinched particularly at plugs, extension cords, and the point at which they exit the unit. 11) Only use attachments/accessories specified by the manufacturer. 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the device. When a cart is used, use caution when moving the cart/ device combination to avoid injury from stumbling over it.

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure voltage that may be sufficient to constitute a risk of shock. This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual. 13) Unplug this device during lightning storms or when not used for long periods of time.

14) Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the device, the unit has been exposed to rain or moisture, does not operate normally, or has been dropped. 2 PRO MIXER s Intelligent dual auto-BPM counter s Super-smooth ULTRAGLIDE faders with up to 500,000 life cycles s Awesome XPQ stereo surround effect s VCA-controlled crossfader for utmost reliability and smooth audio performance s Adjustable crossfader curve for all mixing styles PRO MIXER VMX1000 Professional 7-Channel Rack-Mount DJ Mixer with BPM Counter s Professional 7-channel ultra low-noise DJ mixer with state-of-the-art phono preamps s 3-band kill EQ (-32 dB) with EQ on/off switch on stereo channels, gain control and precise level meters per channel s Monitor function with PFL/main balance control and split option s Auto-talkover function with separate depth and sensitivity control s Subwoofer output with adjustable x-over frequency and level control for separate bass amplification s Balanced main and additional zone outputs s 5 dual input stereo channels, 2 ULN microphone channels with MIC ON switch and effects send facility s Dedicated FX loop for connecting external devices (sampler, effects processor etc.) s Phono inputs on channels 1 - 3 can be switched to line level s Gold-plated RCA sockets for excellent audio quality s Ultra-rugged construction ensures long life, even under the most demanding conditions s Designed in Germany. Manufactured under ISO9000 certified management system VMX1000 3 PRO MIXER VMX1000 FOREWORD Dear Customer, Welcome to the team of PRO MIXER users and thank you very much for expressing your confidence in BEHRINGER products by purchasing the VMX1000. Writing this foreword for you gives me great pleasure, because it represents the culmination of many months of hard work delivered by our engineering team to achieve a very ambitious goal: to design an excellent DJ mixer offering remarkable functions with the maximum in flexibility and performance. The task of designing our new PRO MIXER certainly meant a great deal of responsibility which we assumed by focusing on you, the discerning user and DJ. Meeting your expectations also meant a lot of work and night shifts. But it was fun, too. Developing a product usually brings a lot of people together, and what a great feeling it is when everybody who has participated in such a project can be proud of what theyve achieved.

It is our philosophy to share our enjoyment with you, because you are the most important member of the BEHRINGER team. With your highly competent suggestions for new products youve made a significant contribution to shaping our company and making it successful. In return, we guarantee you uncompromising quality (manufactured under ISO9000 certified management system) as well as excellent technical and audio properties at an extremely reasonable price. All of this will enable you to give free rein to your creativity without being hampered by budget constraints. We are often asked how we manage to produce such highquality devices at such unbelievably low prices. The answer is quite simple: its you, our customers! Many satisfied customers mean large sales volumes enabling us to get better purchasing terms for components, etc. So its only fair to pass this benefit on to you, isnt it? Because we know that your success is our success too! I would like to thank all of those who have made the PRO MIXER VMX1000 possible. You have all made your own personal contributions, from the developers to the many other employees at this company, and to you, the BEHRINGER user. TABLE OF CONTENTS 1.

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..... 10 My friends, its been worth the effort! Thank you very much, Uli Behringer 4 PRO MIXER VMX1000 1. INTRODUCTION By purchasing the BEHRINGER PRO MIXER VMX1000, youve gotten your hands on an awesome DJ mixer, whose rich features such as the beat counter, sends and returns as well as the additional subwoofer output let you work in completely new and creative ways.

The VMX1000 can be used in professional situations, is absolutely a breeze to operate, and it gives your creativity an outlet for expression. Due to the most in features and technologies it puts to use, it can be optimally utilized in dance clubs and professional DJ installations. 1.1.3 Warranty Please take a few minutes and send us the completely filled out warranty card within 14 days of the date of purchase. You may also register online at [www.behringer.com](http://www.behringer.com). The serial number needed for the registration is located on the rear of the unit. Failure to register your product may void future warranty claims (see ). 1.2 The users manual This users manual has been written in such a way to enable you an overview over the control elements of the unit and offers at the same time detailed information about possible applications.



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To facilitate quick lookups, control elements have been described in groups depending on their function. All control elements can easily be located using the numerated illustrations attached to this manual. Should you need detailed information about specific topics not covered in this manual, please visit our website at [www.behringer.com](http://www.behringer.com).

+ The following users manual is intended to familiarize you with the units control elements, so that you can master all the functions. After having thoroughly read the users manual, store it at a safe place for future reference.

1 Before you get started 1.1.1 Shipment The PRO MIXER was carefully packed at the assembly plant to assure secure transport. Should the condition of the cardboard box suggest that damage may have taken place, please inspect the unit immediately and look for physical indications of damage. + Damaged units should NEVER be sent directly to us. Please inform the dealer from whom you acquired the unit immediately as well as the transportation company from which you took delivery of the unit. Otherwise, all claims for replacement/repair may be rendered invalid. 1.1.2 Initial operation Please make sure the unit is provided with sufficient ventilation, and never place the PRO MIXER on top of an amplifier or in the vicinity of a heater to avoid the risk of overheating.

For rack mounting, please use M6 metal nuts and bolts. + Before plugging the unit into a power socket, please make sure you have selected the correct voltage: The fuse compartment near the power plug socket contains three triangular markings. Two of these triangles are opposite one another. The voltage indicated adjacent to these markings is the voltage to which your unit has been set up, and can be altered by rotating the fuse compartment by 180°. ATTENTION: This does not apply to export models that were for example manufactured only for use with 120 V! + + If you alter the units voltage, you must change the fuses accordingly. The correct value of the fuses needed can be found in the chapter SPECIFICATIONS. Faulty fuses must be replaced with fuses of appropriate rating without exception! The correct value of the fuses needed can be found in the chapter SPECIFICATIONS. Power is delivered via the cable enclosed with the unit. All required safety precautions have been adhered to. + WARNING! We would like to warn you that extremely loud sound levels may damage your hearing and/or your headphones.

Turn the respective output volume controls all the way to the left before turning your VMX1000 on. Be sure to keep the volume at appropriate levels at all times. + Please make sure that the unit is grounded at all times. For your own protection, you should never tamper with the grounding of the cable or the unit itself.

INTRODUCTION 5 PRO MIXER VMX1000 2. CONTROL ELEMENTS 2.1 Microphone channels These are the balanced XLR connectors for dynamic microphones. Using the 3-band microphone equalizer (HIGH, MID and LOW), you can change the sound of your voice and optimally adjust it (+/-15 dB).

The AUX control adjusts the volume of the MIC AUX send signal laid out at the rear panel MIC AUX SEND connector (see ).

Use the VOL control to adjust the microphone signal volume. Your PRO MIXER features a talk over function. It works very simply: as soon as you talk into your mike while a track is playing, the tracks volume is lowered. When talking to the audience, this function is useful because it makes your voice come through over the music. Use the TALK key to activate the talk over function (its LED is lit). The SENS control changes the sensitivity of the talk over function. The lower it is set, the louder does the mike signal need to be in order to suppress the music signal. Use the DPT control to determine the extent to which the music signal is lowered. Use the MIC ON switch to activate the microphone channel. If its LED is lit, the channel is active.

You can read off the level of input signals (post EQ) using the 4-digit LEVEL meter. Determine the channel volume using the 60-MM CHANNEL fader. Pressing the PFL key routes the respective input so that it can be monitored on the headphones (corresponding LED is lit).

If the MODE switch is in its SPLIT position (see ), the (PFL) MIX control has no function. The VOL control determines the volume of the headphone signal. + + 6 2. CONTROL ELEMENTS PRO MIXER VMX1000 2.5 XPQ 3D surround function The XPQ 3D surround function is a built-in effect that gives your music a nice finishing touch, making every performance truly memorable. By widening the stereo base, the sound comes through more alive and transparent. @@ Unlike other channels, channels 4 and 5 feature two line inputs.

@@ Channels 1 through 3 can be ). @@@@The crossfader used in the VMX1000 is a professional 45-mm fader. @@@@The switch must be in its pressed position (LINE)! @@The GND connectors are used for grounding turntables. @@For example, the input of an external reverb can be connected here. @@@@SERIAL NUMBER.

@@Or, simply register online at [www.behringer.com](http://www.behringer.com). @@Use the VOL 1 control to adjust the volume (see ). @@@@The BAL 1 control (see ) has no function here.

You can connect an additional amplifier to the SUBWOOFER output in order to drive a passive subwoofer. If you wish to use an active subwoofer, connect it directly to this output. Either way, you get more bass power out of your music. Use the LEVEL control to adjust the volume of the SUBWOOFER output signal. Use the X/O control to adjust the upper cut-off frequency of the SUBWOOFER signal (adjustable between 30 and 200 Hz). All frequencies with values below the cut-off frequency will be reproduced. The MAIN 2 output allows you to connect an amplifier to drive monitor speakers or to provide sound in another room/ area (zone). The VOL 2 control (see ) adjusts the MAIN OUT section. Using the TAPE output, you can record your music by connecting equipment such as tape decks, DAT recorders etc. Unlike the MAIN outputs, the output volume is fixed, making it necessary for you to adjust the input level on the recording device.

2.8 AUTO BPM COUNTER The integrated auto BPM counter is an extremely useful feature. It ensures smooth transition from one track to the next. It can calculate the tempos of various tracks in BPM (beats per minute). Both BPM counter sections are identical and both show the BPM value of the two stereo channels routed to the crossfader. The tempo of the track assigned by using the ASSIGN A or ASSIGN B keys is shown in the respective DISPLAY . Several tempo changes in one track would produce a constant display of various BPM values and thus lead to unnecessary confusion. That's why each beat counter section has a SYNC LOCK button that can be used during the song to limit the range of possible tempo values. This makes sense if the counter has already calculated a realistic value. You can do the same manually with the BEAT ASSIST button .

Push this button at least three times in sync with the songs tempo, and the tempo you tapped appears in the DISPLAY.



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The BEAT ASSIST and SYNC LOCK buttons are each equipped with a LED. To exit SYNC LOCK or BEAT ASSIST mode, simply press the SYNC LOCK key in both channels once again. When no signal is present (or when the signal level is too low), the BPM display shows only dashes. When the signal is present but can not be identified, the display shows 160 BPM and then shows the dashes.

The beat counter then attempts to get another readout. Therefore, 160 BPM is no usable value; rather, it is simply an error message when the signal can not be analyzed. + 2. CONTROL ELEMENTS 7 PRO MIXER VMX1000 Your PRO MIXER features an effects loop that can be used for an external effects unit or a sampler. The signal is taken at the PFL section through the SEND connector and fed into your external equipment.

The signal laid out at the SEND connector is therefore identical to the headphone signal. Connect this output to the input of your effects unit. The signal that was processed externally is mixed into the MAIN OUT signal using the RETURN channel. Use the RET control to adjust the volume of the effects signal (see ). Connect this input to the outputs of your effects unit. This is the connector for the power cable. This is where the advantage of a sophisticated internal power supply can be seen: the pulse behaviour of each amplifying circuit is mainly determined by the voltage reserves available. Each mixing console is equipped with numerous operational amplifiers (op amps) to process line level signals. Due to limited output of their power supplies, many mixing consoles show signs of stress when subjected to heavy loads. But not your PRO MIXER: the sound is always clear and transparent.

**FUSE HOLDER / VOLTAGE SETTING.** Before connecting the unit to the mains, ensure that the voltage setting matches your local voltage. Blown fuses should only be replaced by a fuse of the same type and rating. On some units, the fuses holder can be switched to one of two positions, i.e. 230 V and 120 V. Please note: should you desire to operate the unit outside Europe at 120 V, a higher fuse rating is required. Fig. 3.2: 1/4" TS connector + To disconnect power from main, pull out the main cord plug.

When installing the product, ensure that the plug is easily accessible. If mounting in a rack, ensure that the mains can be easily disconnected by a plug or by an all-pole disconnect switch on or near the rack. Fig. 3.3: 1/4" TRS connector 3.

**INSTALLATION 3.1 Audio connections** For various applications, you will need a number of different cables. The following illustrations show how these cables are to be connected. Always make sure to use high-grade cables. + Be sure that installation and operation of your VMX1000 are performed only by qualified personnel.

During as well as after installation, sufficient grounding of both your equipment and persons handling it must be assured. Otherwise, electrostatic discharge may lead to undesirable operation or permanent damage. Fig. 3.4: 1/4" TRS headphone connector Fig. 3.5: RCA cable Fig. 3.1: XLR connections 8 3.

INSTALLATION PRO MIXER VMX1000 4.

**SPECIFICATIONS AUDIO INPUTS** Mic In Phono In Line In Return Mic Aux Return **AUDIO OUTPUTS** Main Out Main 2 Out Tape Out Send Mic Aux Send Phones Out **SUBWOOFER** Subwoofer Out X-Over Level **EQUALIZER** Stereo Low Stereo Mid Stereo High Mic Low Mic Mid Mic High 40 dB gain, XLR, electronically balanced input stage 40 dB gain, unbalanced input -17 to +4 dB gain, unbalanced inputs 0 dB gain, unbalanced 3 dB gain, unbalanced max. 25 dBu @ 1 kHz, XLR electronically balanced Max. 21 dBu @ 1 kHz unbalanced typ. 0 dBu typ. 0 dBu -oo to +6 dBu max.180 mW @ 75 XLR, electronically balanced variable 30 Hz - 200 Hz -oo to 0 dBu @ 0 dB input +12 dB/-32 dB @ 50 Hz +12 dB/-32 dB @ 1.2 kHz +12 dB/-32 dB @ 10 kHz +15 dB/-15 dB @ 80 Hz +15 dB/-15 dB @ 2.5 kHz +15 dB/-15 dB @ 12 kHz **SYSTEM SPECIFICATIONS** Signal-to-noise ratio > 80 dB (line) Crosstalk < -70 dB (line) Distortion (THD) < 0.05% Frequency response 10 Hz - 65 kHz, +0/-3 dB **POWER SUPPLY** Mains voltages USA/Canada 120 V~, 60 Hz Europe/U.K./Australia 230 V~, 50 Hz Japan 100 V~, 50 - 60 Hz General export model 120/230 V~, 50 - 60 Hz 22 Watt 100 - 120 V~: T 500 mA H 200 - 240 V~: T 250 mA **H Standard IEC receptacle** Power consumption Fuse Mains connection **DIMENSIONS/WEIGHT** Dimensions (H x W x D) 107 mm (4 3/16") x 483 mm (19") x 223 mm (8 3/4") Weight 3.6 kg (7 lb. 14 oz.) **BEHRINGER** makes every effort to ensure the highest standard of quality. Necessary modifications are carried out without notice.

Thus, the specifications and design of the device may differ from the information given in this manual. 4. **SPECIFICATIONS 9 PRO MIXER VMX1000 5. WARRANTY § 1 WARRANTY CARD/ONLINE REGISTRATION** To be protected by the extended warranty, the buyer must complete and return the enclosed warranty card within 14 days of the date of purchase to **BEHRINGER Spezielle Studiotechnik GmbH**, in accordance with the conditions stipulated in § 3. Failure to return the card in due time (date as per postmark) will void any extended warranty claims.

Based on the conditions herein, the buyer may also choose to use the online registration option via the Internet ([www.behringer.com](http://www.behringer.com) or [www.behringer.de](http://www.behringer.de)). § 2 **WARRANTY 1. BEHRINGER (BEHRINGER Spezielle Studiotechnik GmbH** including all **BEHRINGER** subsidiaries listed on the enclosed page, except **BEHRINGER Japan**) warrants the mechanical and electronic components of this product to be free of defects in material and workmanship for a period of one (1) year\* from the original date of purchase, in accordance with the warranty regulations described below. If the product shows any defects within the specified warranty period that are not excluded from this warranty as described under § 3 and 4, **BEHRINGER** shall, at its discretion, either replace or repair the product using suitable new or reconditioned parts. In the case that other parts are used which constitute an improvement, **BEHRINGER** may, at its discretion, charge the customer for the additional cost of these parts. 2.

If the warranty claim proves to be justified, the product will be returned to the user freight prepaid. 3. **Warranty claims other than those indicated above are expressly excluded.** § 3 **RETURN AUTHORIZATION NUMBER 1.** To obtain warranty service, the buyer (or his authorized dealer) must call **BEHRINGER** (see enclosed list) during normal business hours BEFORE returning the product. All inquiries must be accompanied by a description of the problem. **BEHRINGER** will then issue a return authorization number. 2. @ @ 3. Shipments without freight prepaid will not be accepted.

§ 4 **WARRANTY REGULATIONS 1.** @ @ @ @ 2. @ @ The warranty does not cover any such modification/adaptation, irrespective of whether it was carried out properly or not. Under the terms of this warranty, **BEHRINGER** shall not be held responsible for any cost resulting from such a modification/adaptation. 3. Free inspections and maintenance/repair work are expressly excluded from this warranty, in particular, if caused by improper handling of the product by the user.



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This also applies to defects caused by normal wear and tear, in particular, of faders, crossfaders, potentiometers, keys/buttons, tubes and similar parts. 4.

Damages/defects caused by the following conditions are not covered by this warranty: s improper handling, neglect or failure to operate the unit in compliance with the instructions given in BEHRINGER user or service manuals. s connection or operation of the unit in any way that does not comply with the technical or safety regulations applicable in the country where the product is used.

s damages/defects caused by force majeure or any other condition that is beyond the control of BEHRINGER. 5. Any repair or opening of the unit carried out by unauthorized personnel (user included) will void the warranty. 6. If an inspection of the product by BEHRINGER shows that the defect in question is not covered by the warranty, the inspection costs are payable by the customer. 7. Products which do not meet the terms of this warranty will be repaired exclusively at the buyers expense. BEHRINGER will inform the buyer of any such circumstance. If the buyer fails to submit a written repair order within 6 weeks after notification, BEHRINGER will return the unit C.O.

D. with a separate invoice for freight and packing. Such costs will also be invoiced separately when the buyer has sent in a written repair order. § 5

WARRANTY TRANSFERABILITY This warranty is extended exclusively to the original buyer (customer of retail dealer) and is not transferable to anyone who may subsequently purchase this product. No other person (retail dealer, etc.) shall be entitled to give any warranty promise on behalf of BEHRINGER. §

6 CLAIM FOR DAMAGES Failure of BEHRINGER to provide proper warranty service shall not entitle the buyer to claim (consequential) damages. In no event shall the liability of BEHRINGER exceed the invoiced value of the product. § 7 OTHER WARRANTY RIGHTS AND NATIONAL LAW 1. This warranty does not exclude or limit the buyers statutory rights provided by national law, in particular, any such rights against the seller that arise from a legally effective purchase contract.

2. The warranty regulations mentioned herein are applicable unless they constitute an infringement of national warranty law. \* Customers in the European Union please contact BEHRINGER Germany Support for further details. The information contained in this manual is subject to change without notice. No part of this manual may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording of any kind, for any purpose, without the express written permission of BEHRINGER Spezielle Studiotechnik GmbH.

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+49 2154 9206 0, Fax +49 2154 9206 4903 10 5. WARRANTY .



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