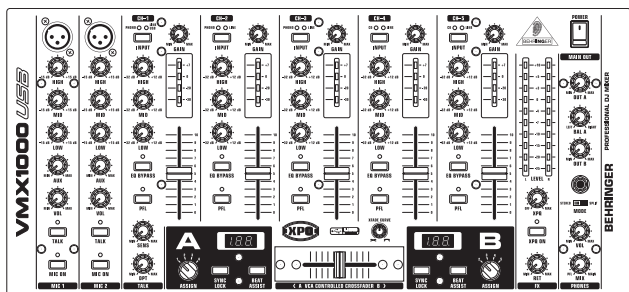


User Manual

PRO MIXER VMX1000USB


Professional 7-Channel Rack-Mount DJ Mixer with BPM Counter



Thank you

By purchasing the BEHRINGER PRO MIXER VMX1000USB, you've 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 VMX1000USB 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.

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Important Safety Instructions



Terminals marked with this symbol carry electrical current of sufficient magnitude to constitute risk of electric shock. Use only high-quality commercially-available speaker cables with ¼" TS plugs pre-installed. All other installation or modification should be performed only by qualified personnel.



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.



Caution

To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user serviceable parts inside. Refer servicing to qualified personnel.



Caution

To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.



Caution

These service instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operation instructions. Repairs have to be performed by qualified service personnel.

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.

- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 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, convenience receptacles, and the point where they exit from the apparatus.
- 11 Use only 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 apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus 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 apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15 The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.
- 16 Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



1. Introduction

- ◆ The following user's manual is intended to familiarize you with the unit's control elements, so that you can master all the functions. After having thoroughly read the user's manual, store it at a safe place for future reference.

1.1 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 unit's 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.

- ◆ 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.

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. 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 40).

1.2 The user's manual

This user's 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. 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.



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 VMX1000USB on. Be sure to keep the volume at appropriate levels at all times.

2. Control Elements

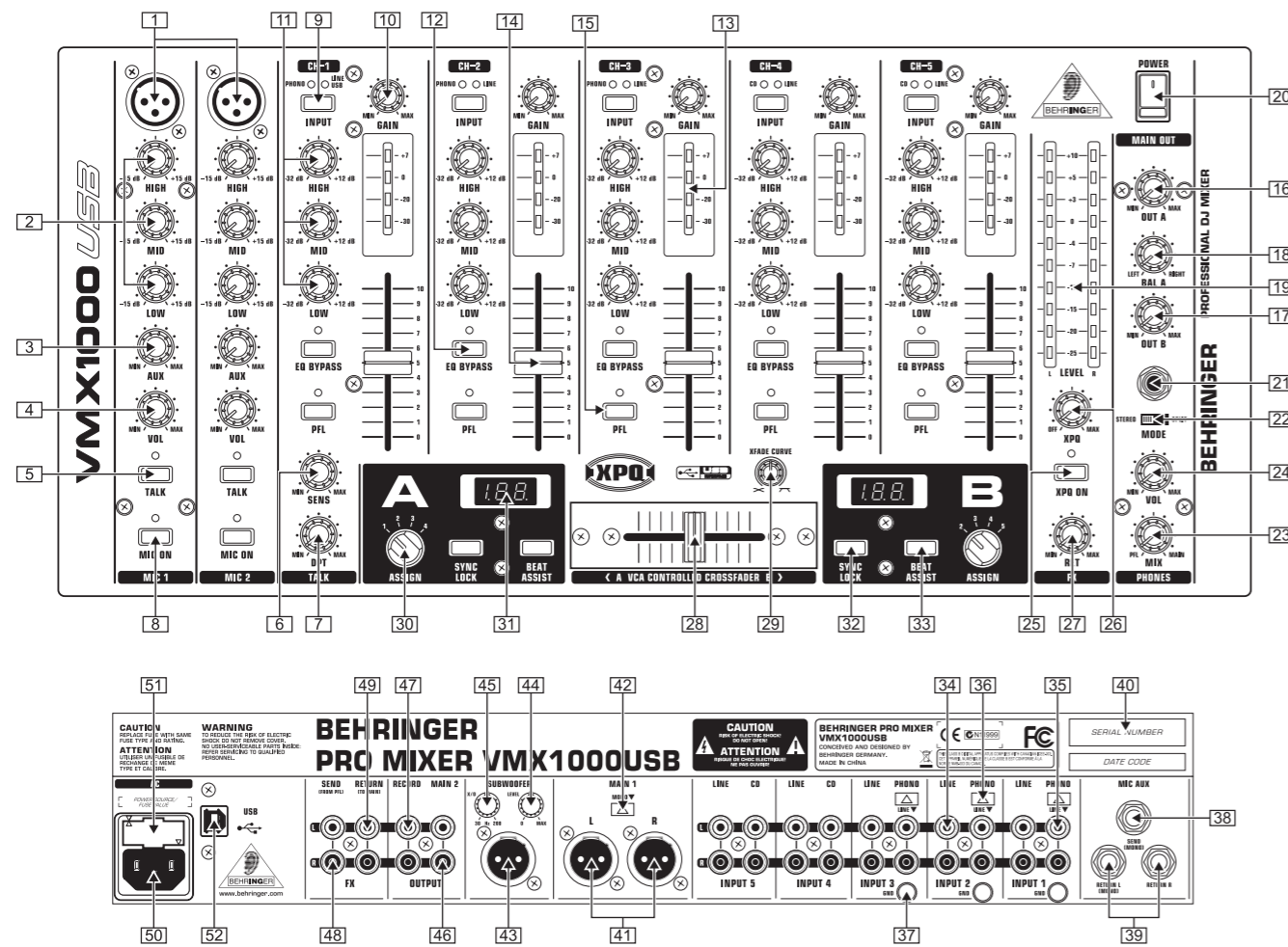


Fig. 2.1 Front view of the PRO MIXER VMX1000USB

2.1 Microphone channels

- 1 These are the balanced XLR connectors for dynamic microphones.
 - 2 Using the 3-band microphone equalizer (*HIGH, MID and LOW*), you can change the sound of your voice and optimally adjust it (+/-15 dB).
 - 3 The *AUX* control adjusts the volume of the MIC AUX send signal laid out at the rear panel MIC AUX SEND connector (see 38).
 - 4 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 track's volume is lowered. When talking to the audience, this function is useful because it makes your voice come through over the music.
- 5 Use the *TALK* key to activate the talk over function (its LED is lit).

- 6 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.
- 7 Use the *DPT* control to determine the extent to which the music signal is lowered.
- 8 Use the *MIC ON* switch to activate the microphone channel. If its LED is lit, the channel is active.

2.2 Stereo channels

- 9 Select the input signal for the stereo channels using the *INPUT* key. "Phono" is intended for connecting a turntable. "Line" and "CD" have to be selected for all other signal sources (e. g. CD or MD players). Unlike the first three channels, channels 4 and 5 each feature two line inputs. On the rear panel, a special feature lets you change the input sensitivity of the phono inputs of channels 1 through 3 to line level, so that you get more flexibility (see 36). Audio sent from a computer to the VMX via USB cable is routed to channel 1. This signal is mixed with the LINE input.

- 10 The *GAIN* control is used to set the level of the input signal. The display 13 reads off the current signal level.
- 11 Every input channel features a 3-band equalizer (*HIGH, MID and LOW*) with kill characteristic. This way, a signal can be lowered (-32 dB) much more than it can be increased (+12 dB). For example, this function is useful when you need to suppress a particular frequency range in a music track.
- 12 By using the *EQ BYPASS* key, you can deactivate the 3-band equalizer. This way, you can easily compare the processed and the unprocessed signals with one another; or, you can alternate between extreme EQ settings and the "raw" signal, creating cool effects.
- 13 You can read off the level of input signals (post EQ) using the 4-digit *LEVEL* meter.
- 14 Determine the channel volume using the 60-MM CHANNEL fader.
- 15 Pressing the *PFL* key routes the respective input so that it can be monitored on the headphones (corresponding LED is lit). You can also dial up several channels and listen to them simultaneously (see also chapter 2.4 "HEADPHONE section").
- 16 Never connect equipment with line level signals to the highly sensitive phono inputs! The output signal level of turntables is on the order of magnitude of millivolts, while CD players and tape decks have signal levels measuring in volts. Simply put, line signals are up to 100 times stronger than those intended for phono inputs. If you're using phono inputs that can be switched into line level (see 36), always make sure that the PHONO/LINE switch is in its correct position (switch pressed!).
- 17 The *VOL 1* control is used to adjust the output volume on the MAIN 1 output (see 41).
- 18 To adjust balance on the MAIN 1 output, use the *BAL 1* control.
- 19 You can read off the MAIN 1 audio signal volume level on the *LEVEL METER*.
- 20 The *POWER* switch powers the PRO MIXER on. You should always make sure that the *POWER* switch is in the "Off" position when initially connecting the unit to the mains.
- 21 This is the unbalanced PHONES connector for your headphones. Your headphones should have a minimum impedance of 32 Ohms. For example, the BEHRINGER HPX2000 headphones are ideally suited for this purpose.
- 22 If the *MODE* switch is in the "SPLIT" position, the PFL signal is on the left, and the MAIN signal is on the right. The *MIX* control (see 23) has no function in this case. While in "STEREO" mode, you can alternate between MAIN and PFL signals using the *MIX* control.
- 23 When in "STEREO" mode, use the *MIX* control to determine which signal is heard on the headphones. When *MIX* is in its left-most position (*PFL*), you can only hear the headphone signal selected previously using the *PFL* keys of the input channels (see 15). When *MIX* is in its right-most position (*MAIN*), you can only hear the MAIN audio signal. Placing the *MIX* control somewhere in between those two extreme positions determines the volume ratio of the two signals. If the *MODE* switch is in its "SPLIT" position (see 22), the (*PFL*) *MIX* control has no function.
- 24 The *VOL* control determines the volume of the headphone signal.
- 25 The *XPQ ON* switch activates the XPQ 3D surround function (corresponding LED is lit) and the *XPQ* control 26 determines the intensity of the effect.
- 26 Please take note: Merely switching the unit off does not mean that it is fully disconnected from the mains. When not using the unit for prolonged periods of time, please unplug the unit's power cord from the power outlet.

- 27 Using the *RET* control, you determine the volume of the effects signal that can be brought in at the RETURN input on the rear (see 49). To get the effects signal, you need to connect the inputs of an effects unit to the SEND outputs (see 46) of your VMX1000USB. The outputs of the effects unit are then connected to the RETURN inputs of your mixer.

2.4 HEADPHONE section

The PFL signal is your headphone signal used to monitor music without influencing the MAIN signal (PFL = Pre Fader Listening).

- 21 This is the unbalanced PHONES connector for your headphones. Your headphones should have a minimum impedance of 32 Ohms. For example, the BEHRINGER HPX2000 headphones are ideally suited for this purpose.
- 22 If the *MODE* switch is in the "SPLIT" position, the PFL signal is on the left, and the MAIN signal is on the right. The *MIX* control (see 23) has no function in this case. While in "STEREO" mode, you can alternate between MAIN and PFL signals using the *MIX* control.
- 23 When in "STEREO" mode, use the *MIX* control to determine which signal is heard on the headphones. When *MIX* is in its left-most position (*PFL*), you can only hear the headphone signal selected previously using the *PFL* keys of the input channels (see 15). When *MIX* is in its right-most position (*MAIN*), you can only hear the MAIN audio signal. Placing the *MIX* control somewhere in between those two extreme positions determines the volume ratio of the two signals. If the *MODE* switch is in its "SPLIT" position (see 22), the (*PFL*) *MIX* control has no function.
- 24 The *VOL* control determines the volume of the headphone signal.

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. Using the *XPQ ON* switch 25 activates the XPQ 3D surround function (corresponding LED is lit) and the *XPQ* control 26 determines the intensity of the effect.

2.6 Effects loop

- 27 Using the *RET* control, you determine the volume of the effects signal that can be brought in at the RETURN input on the rear (see 49). To get the effects signal, you need to connect the inputs of an effects unit to the SEND outputs (see 46) of your VMX1000USB. The outputs of the effects unit are then connected to the RETURN inputs of your mixer.

2.7 CROSSFADER section

- 28 The *VCA CONTROLLED CROSSFADER* is used to cross fade between the selected channels (see 30). The crossfader used in the VMX1000USB is a professional 45-mm fader.
- 29 Use the *CF CURVE* control to modify the control character of the crossfader between linear and logarithmic in an infinite number of steps. When in linear characteristic mode, the crossfader fades equally in each segment of its movement range; in the logarithmic characteristic mode, volume control is concentrated to the outer segment of the fader's range of motion.
- 30 Use the *ASSIGN A* and *ASSIGN B* rotary switches to determine which input signals are routed to the A and B sides of the CROSSFADER. With *ASSIGN A*, channels 1 through 4 can be selected; with *ASSIGN B*, channels 2 through 5. Then, you can alternate between these two channels using the CROSSFADER (see 28).

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* 31. 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 32 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 33. Push this button at least three times in sync with the song's tempo, and the tempo you tapped appears in the *DISPLAY*. 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.**

2.9 Connections

- 34 These are the *LINE* and *CD* inputs respectively, used for connecting tape decks, CD or MD players etc. Unlike other channels, channels 4 and 5 feature two line inputs.
- 35 The *PHONO* inputs for channels 1 through 3 are intended for connecting turntables. Channels 1 through 3 can be switched over to line level (see 36).
- 36 Using the *PHONO/LINE* switches, you can change the input sensitivity of the *PHONO* inputs on channels 1 through 3 to line level (switch pressed). This way, you can even connect a tape deck or a CD player to the *PHONO* inputs.
- ◆ **IMPORTANT: Always pay attention to the correct position of the PHONO/LINE switch when connecting a line level signal to a phono input. The switch must be in its pressed position (LINE)! Otherwise, overdriving may lead to permanent damage to the phono input.**
- 37 The *GND* connectors are used for grounding turntables.
- 38 The *MIC AUX* signal, adjustable using the *AUX* controls on the microphone channels (see 3), is laid out at this *SEND* jack connector. For example, the input of an external reverb can be connected here.
- 39 An external stereo effects signal can be fed back into the VMX1000USB using the *RETURN L/R* jack connectors. If you connect a mono effects signal, you need to use the left *RETURN L* connector. The effect volume can only be adjusted on the output control of the effects unit.
- 40 *SERIAL NUMBER*. Please take the time to complete and return the warranty card within 14 days of the date of purchase. Or, simply register online at www.behringer.com.
- 41 The balanced *MAIN 1* XLR outputs are used for connecting a power amplifier. Use the *VOL 1* control to adjust the volume (see 16).
- 42 Hitting the *MONO* key changes the stereo *MAIN 1* output signal into a mono signal. Doing this makes sense when you for example use your PRO MIXER in large rooms where the speakers are placed far from each other. A stereo signal would have a disrupting effect, since the speakers each transmit a somewhat different signal. If you press *MONO*, an identical signal is transmitted to both *MAIN 1* outputs. The *BAL 1* control (see 18) has no function here.

- 43 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.
- 44 Use the *LEVEL* control to adjust the volume of the *SUBWOOFER* output signal.
- 45 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.
- 46 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 17) adjusts the *MAIN OUT* section.
- 47 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.
- 48 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.
- 49 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 27). Connect this input to the outputs of your effects unit.
- 50 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.

- 51 *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.
- ◆ **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.**
- 52 The VMX has built-in USB connectivity, allowing stereo signals to be sent to and from the mixer and a computer. The audio sent from the mixer to a computer is identical to the *TAPE OUT* signal, which is the pre-fader *MAIN* signal. Audio being sent from a computer to the VMX can be selected with the *Channel 1 INPUT* button.

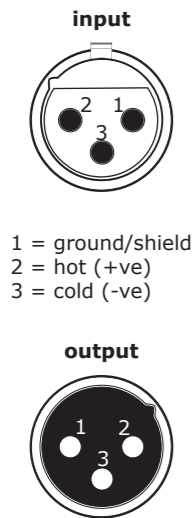
Connect a USB type B plug into the USB jack on the mixer, and the other end into a free USB port on your computer. There are no required drivers, but we recommend that PC users install the included ASIO driver. The driver can also be downloaded from www.behringer.com.

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.

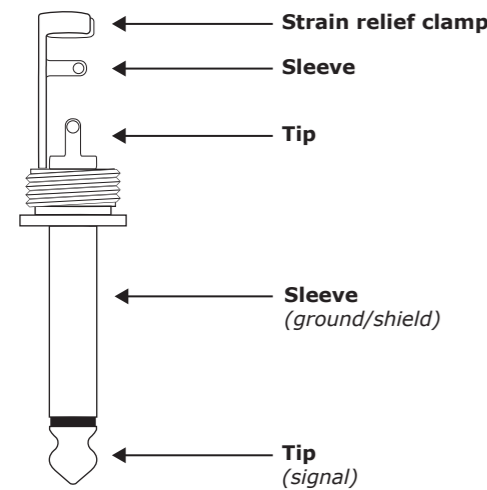
♦ Be sure that installation and operation of your VMX1000USB are performed only by qualified personnel. During as well as after installation, sufficient grounding of both your equipment and persons handling it must be assured. Otherwise, electrostatic discharge may lead to undesirable operation or permanent damage.



For unbalanced use, pin 1 and pin 3 have to be bridged

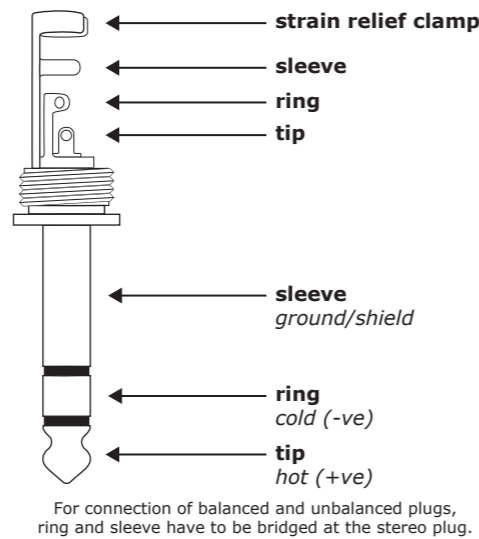
Balanced use with XLR connectors

Fig. 3.1: XLR connections



Unbalanced 1/4" TS connector

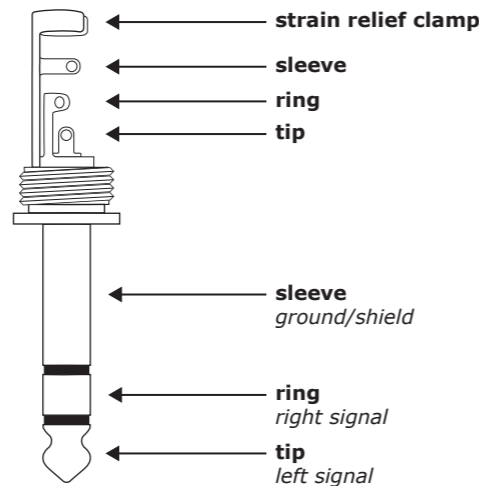
Fig. 3.2: 1/4" TS connector



For connection of balanced and unbalanced plugs, ring and sleeve have to be bridged at the stereo plug.

Balanced 1/4" TRS connector

Fig. 3.3: 1/4" TRS connector



1/4" TRS headphones connector

Fig. 3.4: 1/4" TRS headphone connector

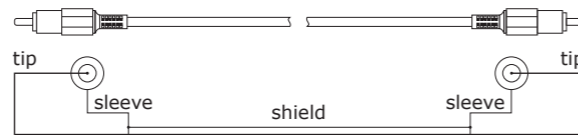


Fig. 3.5: RCA cable

4. Specifications

AUDIO INPUTS

Mic In	40 dB gain, XLR, electronically balanced input stage
Phono In	40 dB gain, unbalanced input
Line In	-17 to +4 dB gain, unbalanced inputs
Return	0 dB gain, unbalanced
Mic Aux Return	3 dB gain, unbalanced

AUDIO OUTPUTS

Main Out	max. 25 dBu @ 1 kHz, XLR electronically balanced
Main 2 Out	Max. 21 dBu @ 1 kHz unbalanced
Tape Out	typ. 0 dBu
Send	typ. 0 dBu
Mic Aux Send	-∞ to +6 dBu
Phones Out	max. 180 mW @ 75 Ω

SUBWOOFER

Subwoofer Out	XLR, electronically balanced
X-Over	variable 30 Hz - 200 Hz
Level	-∞ to 0 dBu @ 0 dB input

EQUALIZER

Stereo Low	+12 dB/-32 dB @ 50 Hz
Stereo Mid	+12 dB/-32 dB @ 1.2 kHz
Stereo High	+12 dB/-32 dB @ 10 kHz
Mic Low	+15 dB/-15 dB @ 80 Hz
Mic Mid	+15 dB/-15 dB @ 2.5 kHz
Mic High	+15 dB/-15 dB @ 12 kHz

USB

Audio	Stereo In/Out
Connector	Type B
Converter	16-bit
Sample rate	48 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	
Power consumption	22 Watt	
Fuse	100 - 120 V~:	T 500 mA H
	200 - 240 V~:	T 250 mA H
Mains connection	Standard IEC receptacle	

DIMENSIONS/WEIGHT

Dimensions		
(H x W x D)	107 mm (4 1/8") 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.

Limited Warranty

§ 1 Warranty

① This limited warranty is valid only if you purchased the product from a BEHRINGER authorized dealer in the country of purchase. A list of authorized dealers can be found on BEHRINGER's website www.behringer.com under "Where to Buy", or you can contact the BEHRINGER office closest to you.

② BEHRINGER* warrants the mechanical and electronic components of this product to be free of defects in material and workmanship if used under normal operating conditions for a period of one (1) year from the original date of purchase (see the Limited Warranty terms in § 4 below), unless a longer minimum warranty period is mandated by applicable local laws. If the product shows any defects within the specified warranty period and that defect is not excluded under § 4, BEHRINGER shall, at its discretion, either replace or repair the product using suitable new or reconditioned product or parts. In case BEHRINGER decides to replace the entire product, this limited warranty shall apply to the replacement product for the remaining initial warranty period, i.e., one (1) year (or otherwise applicable minimum warranty period) from the date of purchase of the original product.

③ Upon validation of the warranty claim, the repaired or replacement product will be returned to the user freight prepaid by BEHRINGER.

④ Warranty claims other than those indicated above are expressly excluded.

PLEASE RETAIN YOUR SALES RECEIPT. IT IS YOUR PROOF OF PURCHASE COVERING YOUR LIMITED WARRANTY. THIS LIMITED WARRANTY IS VOID WITHOUT SUCH PROOF OF PURCHASE.

§ 2 Online registration

Please do remember to register your new BEHRINGER equipment right after your purchase at www.behringer.com under "Support" and kindly read the terms and conditions of our limited warranty carefully. Registering your purchase and equipment with us helps us process your repair claims quicker and more efficiently. Thank you for your cooperation!

§ 3 Return authorization number

① To obtain warranty service, please contact the retailer from whom the equipment was purchased. Should your BEHRINGER dealer not be located in your vicinity, you may contact the BEHRINGER distributor for your country listed under "Support" at www.behringer.com. If your country is not listed, please check if your problem can be dealt with by our "Online Support" which may also be found under "Support" at www.behringer.com. Alternatively, please submit an online warranty claim at www.behringer.com BEFORE returning the product. All inquiries must be accompanied by a description of the problem and the serial number of the product. After verifying the product's warranty eligibility with the original sales receipt, BEHRINGER will then issue a Return Materials Authorization ("RMA") number.

② Subsequently, the product must be returned in its original shipping carton, together with the return authorization number to the address indicated by BEHRINGER.

③ Shipments without freight prepaid will not be accepted.

§ 4 Warranty Exclusions

① This limited warranty does not cover consumable parts including, but not limited to, fuses and batteries. Where applicable, BEHRINGER warrants the valves or meters contained in the product to be free from defects in material and workmanship for a period of ninety (90) days from date of purchase.

② This limited warranty does not cover the product if it has been electronically or mechanically modified in any way. If the product needs to be modified or adapted in order to comply with applicable technical or safety standards on a national or local level, in any country which is not the country for which the product was originally developed and manufactured, this modification/adaptation shall not be considered a defect in materials or workmanship. This limited warranty does not cover any such modification/adaptation, regardless of whether it was carried out properly or not. Under the terms of this limited warranty, BEHRINGER shall not be held responsible for any cost resulting from such a modification/adaptation.

③ This limited warranty covers only the product hardware. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the product. Any such software is provided "AS IS" unless expressly provided for in any enclosed software limited warranty.

④ This limited warranty is invalid if the factory-applied serial number has been altered or removed from the product.

⑤ Free inspections and maintenance/repair work are expressly excluded from this limited warranty, in particular, if caused by improper handling of the product by the user. This also applies to defects caused by normal wear and tear, in particular, of faders, crossfaders, potentiometers, keys/buttons, guitar strings, illuminants and similar parts.

⑥ Damage/defects caused by the following conditions are not covered by this limited warranty:

- improper handling, neglect or failure to operate the unit in compliance with the instructions given in BEHRINGER user or service manuals;
- 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;
- damage/defects caused by acts of God/Nature (accident, fire, flood, etc) or any other condition that is beyond the control of BEHRINGER.

⑦ Any repair or opening of the unit carried out by unauthorized personnel (user included) will void the limited warranty.

⑧ If an inspection of the product by BEHRINGER shows that the defect in question is not covered by the limited warranty, the inspection costs are payable by the customer.

⑨ Products which do not meet the terms of this limited warranty will be repaired exclusively at the buyer's expense. BEHRINGER or its authorized service center 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.

⑩ Authorized BEHRINGER dealers do not sell new products directly in online auctions. Purchases made through an online auction are on a "buyer beware" basis. Online auction confirmations or sales receipts are not accepted for warranty verification and BEHRINGER will not repair or replace any product purchased through an online auction.

§ 5 Warranty transferability

This limited warranty is extended exclusively to the original buyer (customer of authorized 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.

Legal Disclaimer

Technical specifications and appearance are subject to change without notice. The information contained herein is correct at the time of printing. BEHRINGER accepts no liability for any loss which may be suffered by any person who relies either wholly or in part upon any description, photograph or statement contained herein. Colors and specifications may vary slightly from product. BEHRINGER products are sold through authorized dealers only. Distributors and dealers are not agents of BEHRINGER and have absolutely no authority to bind BEHRINGER by any express or implied undertaking or representation. This manual is copyrighted. 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 Red Chip Company Ltd.

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§ 6 Claim for damage

Subject only to the operation of mandatory applicable local laws, BEHRINGER shall have no liability to the buyer under this warranty for any consequential or indirect loss or damage of any kind. In no event shall the liability of BEHRINGER under this limited warranty exceed the invoiced value of the product.

§ 7 Limitation of liability

This limited warranty is the complete and exclusive warranty between you and BEHRINGER. It supersedes all other written or oral communications related to this product. BEHRINGER provides no other warranties for this product.

§ 8 Other warranty rights and national law

① This limited warranty does not exclude or limit the buyer's statutory rights as a consumer in any way.

② The limited warranty regulations mentioned herein are applicable unless they constitute an infringement of applicable mandatory local laws.

③ This warranty does not detract from the seller's obligations in regard to any lack of conformity of the product and any hidden defect.

§ 9 Amendment

Warranty service conditions are subject to change without notice. For the latest warranty terms and conditions and additional information regarding BEHRINGER's limited warranty, please see complete details online at www.behringer.com.

* BEHRINGER Macao Commercial Offshore Limited of Rue de Pequim No. 202-A, Macau Finance Centre 9/J, Macau, including all BEHRINGER group companies



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