

# behringer XTM1-35 UHF Wireless System with Handheld Microphone User Guide

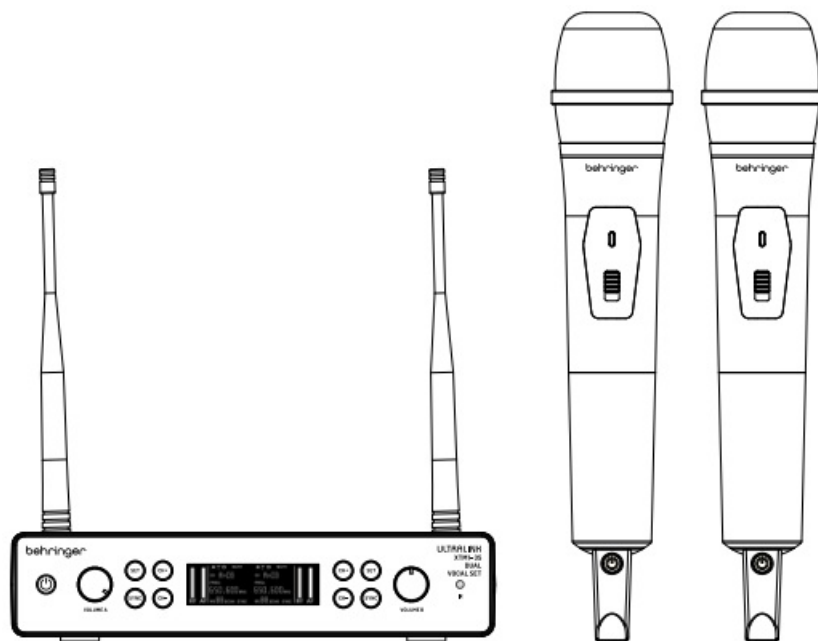
[Home](#) » [Behringer](#) » behringer XTM1-35 UHF Wireless System with Handheld Microphone User Guide 

## Contents

- 1 behringer XTM1-35 UHF Wireless System with Handheld Microphone
- 2 Product Information
- 3 Product Usage Instructions
- 4 Important Safety Instructions
- 5 LEGAL DISCLAIMER
- 6 LIMITED WARRANTY
- 7 XTM1-35 DUAL VOCAL SET Hook-up
- 8 XTM1-35 DUAL VOCAL SET Controls
- 9 Features
- 10 XTM1-35 DUAL VOCAL SET Getting started
  - 10.1 RECEIVER SETUP
  - 10.2 MICROPHONE SETUP
- 11 Frequency Bands
- 12 Specifications
- 13 Other important information
- 14 FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION
- 15 Documents / Resources
  - 15.1 References



**behringer XTM1-35 UHF Wireless System with Handheld Microphone**



## Product Information

The XTM1-35 DUAL VOCAL SET is a UHF Wireless System that includes 2 handheld microphones and a dual-channel receiver. It is designed for vocal performances and provides a reliable wireless connection for clear and professional sound.

### Important Safety Instructions:

- 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.
- 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.
- 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.
- 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.

## Product Usage Instructions

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 a 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. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. Use only attachments/accessories specified by the manufacturer.
10. 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.
11. Unplug this apparatus during lightning storms or when unused for long periods of time.
12. 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.
13. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.
14. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
15. Do not install in a confined space, such as a bookcase or similar unit.

### **XTM1-35 DUAL VOCAL SET**

UHF Wireless System with 2 Handheld Microphones and Dual-Channel Receiver

### **Important Safety Instructions**

- Terminals marked with this symbol carry electrical current of sufficient magnitude to constitute risk of electric shock.
- Use only high-quality professional speaker cables with ¼" TS or twist-locking 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.

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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.

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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.
17. Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic equipment (EEE). The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office, or your household waste collection service.
18. Do not install in a confined space, such as a book case or similar unit.
19. Do not place naked flame sources, such as lighted candles, on the apparatus.
20. Please keep the environmental aspects of battery disposal in mind. Batteries must be disposed-of at a battery collection point.
21. This apparatus may be used in tropical and moderate climates up to 40°C.
22. WARNING

- As with all small batteries, the batteries used with this product should be kept away from small children who still put things in their mouths. If they are swallowed, promptly call your local poison control center.
- Always purchase the correct size and grade of battery most suitable for intended use.
- Replace all batteries of a set at the same time.
- Clean the battery contacts, and also those of the device prior to battery installation.
- Ensure the batteries are installed correctly with the regard to polarity (+ and -).
- Always remove battery if consumed or if product is to be left unused for a long time.
- Replacement of a battery with an incorrect type can defeat a safeguard. Replace only with the same or equivalent type.
- Risk of fire or explosion if the battery is replaced by an incorrect type.
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery can result in an explosion.
- Leaving a battery in an extremely high temperature surrounding environment can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.
- Attention should be drawn to the environmental aspects of battery disposal.

## **LEGAL DISCLAIMER**

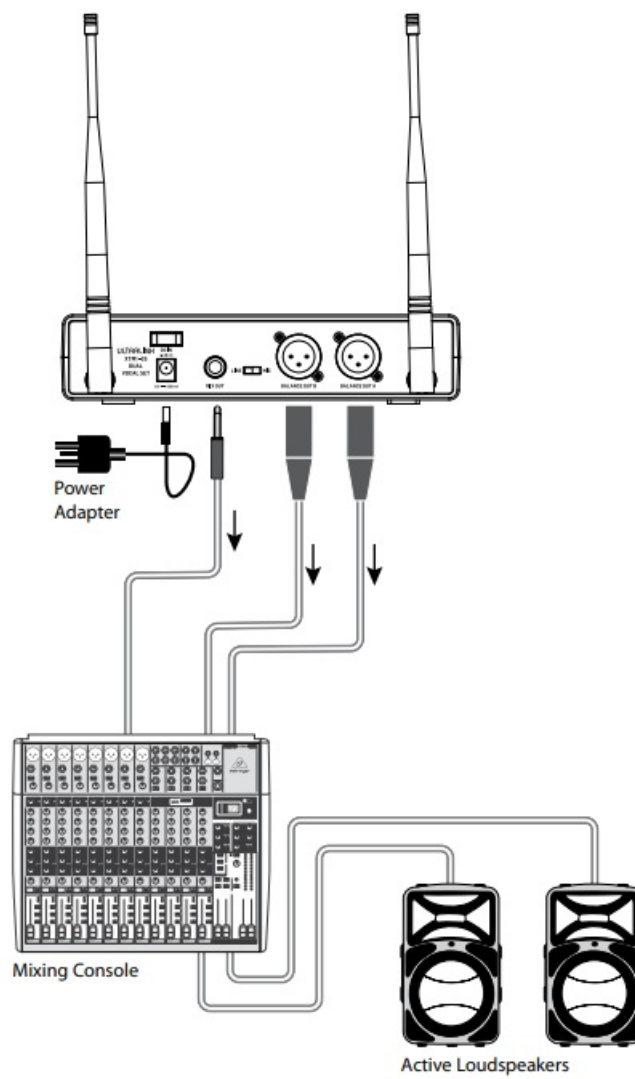
Music Tribe accepts no liability for any loss which may be suffered by any person who relies either wholly or in part upon any description, photograph, or statement contained herein. Technical specifications, appearances and other information are subject to change without notice. All trademarks are the property of their respective owners. Midas, Klark Teknik, Lab Gruppen, Lake, Tannoy, Turbosound, TC Electronic, TC Helicon, Behringer, Bugera, Aston Microphones and Coolaudio are trademarks or registered trademarks of Music Tribe Global Brands Ltd. © Music Tribe Global Brands Ltd. 2022 All rights reserved.

## **LIMITED WARRANTY**

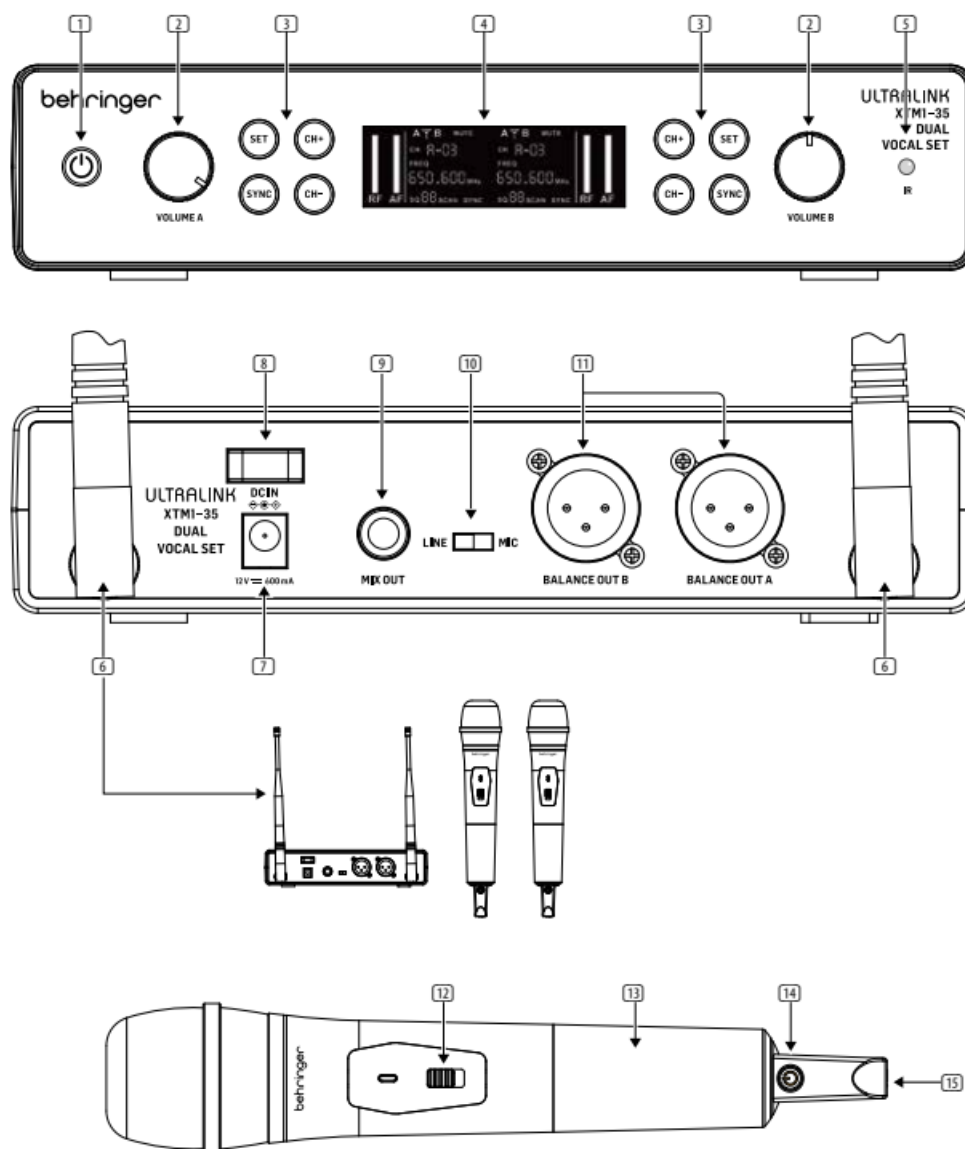
For the applicable warranty terms and conditions and additional information regarding Music Tribe's Limited Warranty, please see complete details online at [musictribe.com/warranty](https://musictribe.com/warranty).

## **XTM1-35 DUAL VOCAL SET Hook-up**

### **Step 1: Hook-Up**



## XTM1-35 DUAL VOCAL SET Controls



## Step 2: Controls

1. **POWER ON/OFF** – turn the receiver on or off
2. **VOLUME** – adjust the level of the received audio signals
3. **SWITCHES**
  - **SET** – use to select receiver menu items
  - **CH+** – to increase menu item
  - **CH-** – to decrease menu item
4. **LCD** – displays the receiver details and menu
5. **IR** – Infrared LED to synchronize microphone with the receiver
6. **ANTENNA** – receiver antenna. Adjust the angle for best signal reception
7. **DC INPUT** – connect the supplied 12V DC power adapter here. The power adapter can be plugged into an AC outlet capable of supplying from 100V to 240V at 50 Hz/60 Hz. Use only the power adapter supplied
8. **POWER ON/OFF** – turn the receiver on or off
9. **MIX OUT** – TS unbalanced 2 channel mixed output
10. **LINE MIC** switch – select line-level or microphone-level output from XLR output
11. **BALANCED OUTPUT** – XLR balanced output
12. **MUTE ON/OFF** switch – mute or unmute the microphone. The LED is Red when muted, and Green when

unmuted

13. BATTERY COMPARTMENT – rotate to open the battery compartment (2x AA)
14. POWER ON/OFF – turn the microphone on or off
15. IR – Infrared transmitter to synchronize receiver with the microphone. Point this end towards the IR receiver (5).

## **Features**

- High-performance wireless system with 2 handheld microphones and a dual-channel receiver
- Excellent choice for broadcasters, presenters, lecturers, singers, musicians, actors, and performers
- 2 high-quality dynamic microphones for dedicated vocal applications
- High-performance antenna diversity receiver for superior signal reception
- Multiple channels in UHF band offer simultaneous operation of several systems
- Adjustable squelch on the receiver to get rid of unwanted background noise
- Integrated digital display for function information and control
- Convenient mute button on microphone
- Maximum range 60 m (200 ft)
- Receiver audio output on balanced XLR and unbalanced 1/4" TS connectors
- Sturdy transport case included

## **XTM1-35 DUAL VOCAL SET Getting started**

### **Step 3: Getting started**

#### **OVERVIEW**

This 'getting started' guide will help you set up the XTM1-35 DUAL VOCAL SET microphones and receiver.

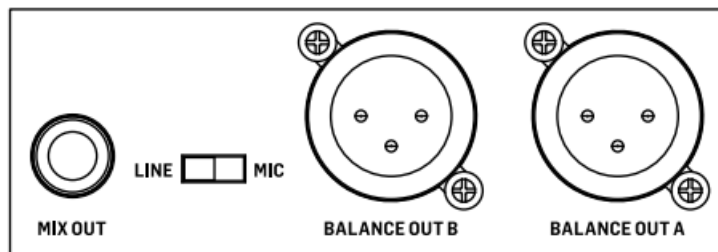
#### **CONNECTION**

To connect the XTM1-35 DUAL VOCAL SET to your system, please consult the connection guide earlier in this document.

#### **INITIAL SETTING UP**

1. Position the receiver at a minimum height of 1 m and point the antennas upwards for optimal signal transmission.
2. Make sure that antennas do not touch or cross if multiple wireless systems are used in an installation.
3. Do not position the receiver in the direct vicinity of metal objects and digitally controlled devices (media players, computers, digital consoles, etc.).
4. The microphones and receiver should be within direct "line of sight" of each other.
5. Connect the receiver's output to your audio system. The XLR outputs are separate for each microphone. The MIX output is a stereo mix of both microphones.





6. Select the receiver's MIC/LINE switch. To send line-level audio to your sound system, select LINE. To send microphone-level audio, select MIC.
7. Adjust the VOLUME controls to minimum.

## RECEIVER SETUP

### Power on/off

1. Press the power button to power on or off the receiver.

### Main Menu

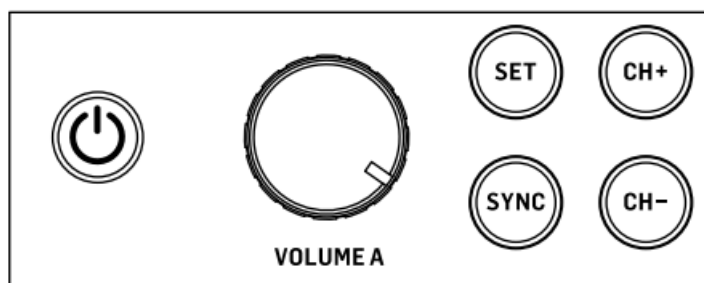
2. The channel frequency (FREQ), channel number (CH), signal level (RF), audio level (AF), Squelch (SQ) are displayed in the main receiver menu.



### Selecting a Frequency Channel

3. Press SET key repeatedly until CH number flashes in the receiver display. Press CH+/CH- to select the desired frequency channel (see frequency chart).

NOTE: For simultaneous operation of several systems, please make sure that all the systems use different frequency channels.



### Standby Mode

4. The receiver unit will go into standby mode if signal reception is not detected for 20 minutes. Press the power button to return the receiver unit to working mode.

### Squelch (SQ)

5. The Squelch function enables you to set a minimum threshold of signal received by the receiver. The setting consists of 3 bar levels – Low (1), Medium (2), and High (3). The receiver rejects signals below the set threshold and helps eradicate any unwanted audio signal transmitted by the transmitter.
6. Press the SET button repeatedly until “SQ” flashes in the receiver display. Use the CH+/CH- buttons to set Squelch level at 1, 2, or 3.

## **MICROPHONE SETUP**

### **Batteries**

1. Unscrew the lower sleeve of the microphone to access the battery compartment.
2. Insert two new and identical AA batteries, observing the correct polarity.

### **Power on/off**

3. Press and hold the power button to power on or off the microphone.

### **Mute on/off**

4. Slide switch to mute or unmute the microphone. The LED is Red for Mute, and Green for unmuted.

### **Sync to receiver frequency channel**

5. Power on the wireless microphone and unmute
6. Press the microphone power button once
7. Microphone LED will start flashing Red
8. Point the IR LED of microphone towards IR LED of receiver
9. Press SYNC button on receiver
10. IR LED of receiver starts flashing
11. Wait till the flashing stops
12. RF bar is visible in receiver display when sync has been established.
13. Talk, sing, or play into the microphones and gradually turn up the volume in your sound system until you hear the audio.
14. Adjust the VOLUME controls as desired.

## **Frequency Bands**

### **USA and Australia**

Channel A	1	2	3	4	5	6	7	8	9	10	11	12
Frequency	584.100	584.350	584.600	584.850	585.100	585.350	585.600	585.850	586.100	586.350	586.600	586.850
Channel A	13	14	15	16	17	18	19	20	21	22	23	24
Frequency	587.100	587.350	587.600	587.850	588.100	588.350	588.600	588.850	589.100	589.350	589.600	589.850
Channel A	25	26	27	28	29	30	31	32	33	34	35	36
Frequency	590.100	590.350	590.600	590.850	591.100	591.350	591.600	591.850	592.100	592.350	592.600	592.850
Channel A	37	38	39	40	41	42	43	44	45	46	47	48
Frequency	593.100	593.350	593.600	593.850	594.100	594.350	594.600	594.850	595.100	595.350	595.600	595.850
Channel B	1	2	3	4	5	6	7	8	9	10	11	12
Frequency	596.000	596.250	596.500	596.750	597.000	597.250	597.500	597.750	598.000	598.250	598.500	598.750
Channel B	13	14	15	16	17	18	19	20	21	22	23	24
Frequency	599.000	599.250	599.500	599.750	600.000	600.250	600.500	600.750	601.000	601.250	601.500	601.750
Channel B	25	26	27	28	29	30	31	32	33	34	35	36
Frequency	602.000	602.250	602.500	602.750	603.000	603.250	603.500	603.750	604.000	604.250	604.500	604.750
Channel B	37	38	39	40	41	42	43	44	45	46	47	48
Frequency	605.000	605.250	605.500	605.750	606.000	606.250	606.500	606.750	607.000	607.250	607.500	607.750

## EU and UK

Channel A	1	2	3	4	5	6	7	8	9
Frequency	863.100	863.300	863.500	863.700	863.900	864.100	864.300	864.500	864.700
Channel B	1	2	3	4	5	6	7	8	9
Frequency	823.100	824.050	825.000	825.950	826.900	827.850	828.800	829.750	830.700

# Specifications

## Handheld Transmitter

### Transmitter

#### Power Requirements

Internal batteries	2 x 1.5V DC (AA)
Operation time	> 8 hours (1300 mAh)
Power consumption	≤ 120 mA

#### Physical

Dimensions (L x Diameter)	265 x 55 mm (10.4 x 2.16")
Weight	226 g (0.5 lbs)

### Receiver Unit

#### Receiver

RF Frequency range	584-608 MHz / 823-832 MHz / 863 – 865 MHz
Modulation	Frequency Modulation
Maximum channel number	96 (depending upon the frequency band)
Sensitivity	<-94 dBm
S/N ratio	>80 dB(A)
THD	<1% to 1 kHz

#### Connectivity

Power switch	On/off
Output	2 x XLR balanced, TS mix

### Physical

Dimensions (W x H x D)	202 x 147 x 43 mm (7.9 x 5.8 x 1.7")
Weight	400 g (0.88 lbs)

### Other important information

## Important information

1. **Register online.** Please register your new Music Tribe equipment right after you purchase it by visiting [musictribe.com](https://musictribe.com). Registering your purchase using our simple online form helps us to process your repair claims more quickly and efficiently. Also, read the terms and conditions of our warranty, if applicable.
2. **Malfunction.** Should your Music Tribe Authorized Reseller not be located in your vicinity, you may contact the Music Tribe Authorized Fulfiller for your country listed under “Support” at [musictribe.com](https://musictribe.com). Should your country not be listed, please check if your problem can be dealt with by our “Online Support” which may also be found under “Support” at [musictribe.com](https://musictribe.com). Alternatively, please submit an online warranty claim at [musictribe.com](https://musictribe.com) BEFORE returning the product.
3. **Power Connections.** Before plugging the unit into a power socket, please make sure you are using the correct mains voltage for your particular model. Faulty fuses must be replaced with fuses of the same type and rating without exception.

## FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

### XTM1-35 DUAL VOCAL SET

- **Responsible Party Name:** Music Tribe Commercial NV Inc.
- **Address:** 122 E. 42nd St.1, 8th Floor NY, NY 10168, United States
- **Email Address:** [legal@musictribe.com](mailto:legal@musictribe.com)

### Transmitter: FCC ID:QWHXTM1-35

#### XTM1-35 DUAL VOCAL SET

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**This equipment complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:**

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

### Important information:

Changes or modifications to the equipment not expressly approved by Music Tribe can void the user's authority to use the equipment.

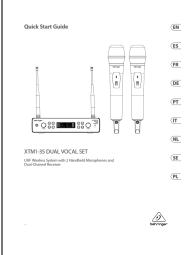
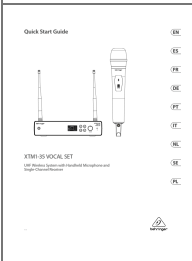
Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modifications could void the user authority to operate the equipment.  
FCC RF Radiation Exposure Statement:  
This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.






Hereby, Music Tribe declares that this product is in compliance with Directive 2014/53/EU, Directive 2014/30/EU, Directive 2014/35/EU, Directive 2011/65/EU and Amendment 2015/863/EU, Directive 2012/19/EU, Regulation 519/2012 REACH SVHC and Directive 1907/2006/EC.  
Full text of EU DoC is available at <https://community.musictribe.com>  
EU Representative: Music Tribe Brands DK A/S  
Address: Gammel Strand 44, DK-1202 København K, Denmark  
UK Representative: Music Tribe Brands UK Ltd.  
Address: 8th Floor, 20 Farringdon Street London EC4A 4AB, United Kingdom  
Por la presente, Music Tribe declara que este producto cumple con la Directiva

We Hear You

Documents / Resources

	<a href="#">behringer XTM1-35 UHF Wireless System with Handheld Microphone</a> [pdf] User Guide QWHXTM1-35, QWHXTM135, XTM1-35, XTM1-35 UHF Wireless System with Handheld Microphone, UHF Wireless System with Handheld Microphone, Wireless System with Handheld Microphone, System with Handheld Microphone, Handheld Microphone, Microphone
	<a href="#">behringer XTM1-35 UHF Wireless System with Handheld Microphone</a> [pdf] User Guide QWHXTM1-35, QWHXTM135, xtm1 35, XTM1-35 UHF Wireless System with Handheld Microphone, UHF Wireless System with Handheld Microphone, Wireless System with Handheld Microphone, System with Handheld Microphone, Handheld Microphone, Microphone

References

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