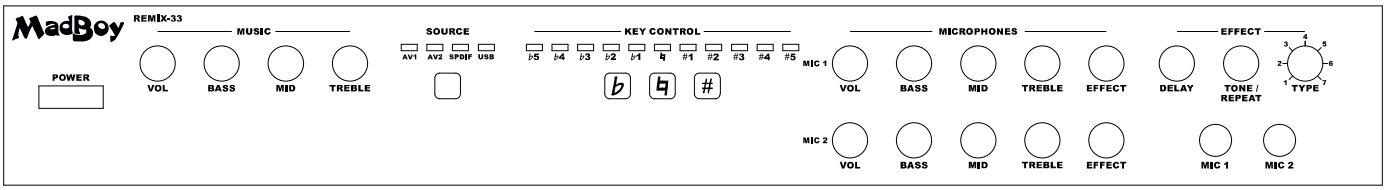
# MadBoy®

# REMIX-33

## DIGITAL KARAOKE MIXER WITH USB AUDIO




# OWNER'S MANUAL

## WWW.MADBOY-AUDIO.COM

ENGLISH

# Safety Instructions

## ⚠ CAUTION ⚠
## RISK OF SHOCK

CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Only refer servicing to qualified service personnel.

### Explanation of Graphical Symbols

The lightning flash & arrowhead symbol, within an equilateral triangle, is intended to alert you to the presence of danger.

The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and servicing instructions.

## WARNING

To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.

**1. Read Instructions** - All the safety and and operating instructions should be read before the appliance is operated.

**2. Retain Instructions** - The safety and operating instructions should be reatained for future reference.

**3. Heed Warnings** - All warnings on the appliance and in the operating instructions should be adhered to.

**4. Follow Instructions** - All operating and use instructions should be followed.

**5. Attachements** - Do not use attachements not recommended by the product manufacturer as they may cause hazards.

**6. Water and Moisture** - Do not use this unit near water. For example, near a bathtub or in a wet basement and the like.

**7. Carts and Stands** - The appliance should be used only with a cart or stand that is recommended by the manufacturer.

**7 A.** An appliance and cart combination should be removed with care. Quick stops, excessive force, and uneven surfaces may cause an overturn.

**8. Ventilation** - The appliance should be situated so its location does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation slots.

**9. Heat** - the appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

**10. Power Sources** - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

**11. Grounding or Polarization** - Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

**12. Power-cord Protection** - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

**13. Cleaning** - Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

**14. Power lines** - An outdoor antenna should be located away from power lines.

**15. Nonuse Periods** - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

**16. Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure throuhg openings.

**17. Damage Requiring Service** - The applianec should be serviced by qualified service personnel when:

A. The power supply cord or plug has been damaged; or
B. Objects have fallen into the appliance; or
C. The appliance has been exposed to rain; or
D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
E. The appliance has been dropped, or the enclosure damaged.

**18. Servicing** - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

**Note:**
To CATV system installer's (U.S.A): This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected as close to the point of cable entry as practical.

# For Geeks

- High Performance 24-bit DSP reverb engine with seven adjustable effect types.
- Input selection for selecting different audio source.
- Two analog RCA inputs for connecting to DVD, CD player or Tablet
- Digital Toslink (S/PDIF) input and output for connecting to TV or amplifier.
- USB Audio Class 2.0 compliant audio interface for recording or audio mixing.
- Digital Key Control +/- 5 semitones with LED indicators.
- Two microphone inputs with individual volume, 3-band equalizer and effect level controls.
- Effect controls with adjustable Delay, Tone / Repeat and Effect Type.
- Volume control and 3-band equalizer for music.

**Inputs:**

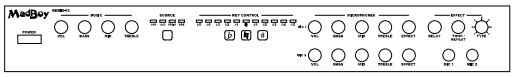
DESIGNED IN FINLAND

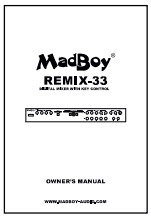
- Two microphone channels
  - Balanced 1/4” TRS jacks in the front panel
  - Balanced XLR connector in the back panel
- Four audio inputs
  - 2 x RCA inputs
  - Digital Toslink S/PDIF input
  - USB audio input (USB Type B)
- Two video inputs
  - 2 x RCA inputs

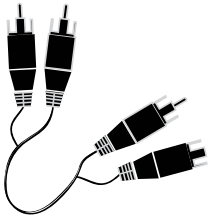
**Outputs:**

- Four audio outputs
  - 2 x RCA
  - Digital Toslink S/PDIF output
  - USB audio output (USB Type B)
- Subwoofer output for active subwoofer
  - 1 x RCA
- Two video outputs
  - 2 x RCA

**Package includes:**





REMIX-33 (1) USER MANUAL (1) RCA CABLE (1) POWER CABLE (1)

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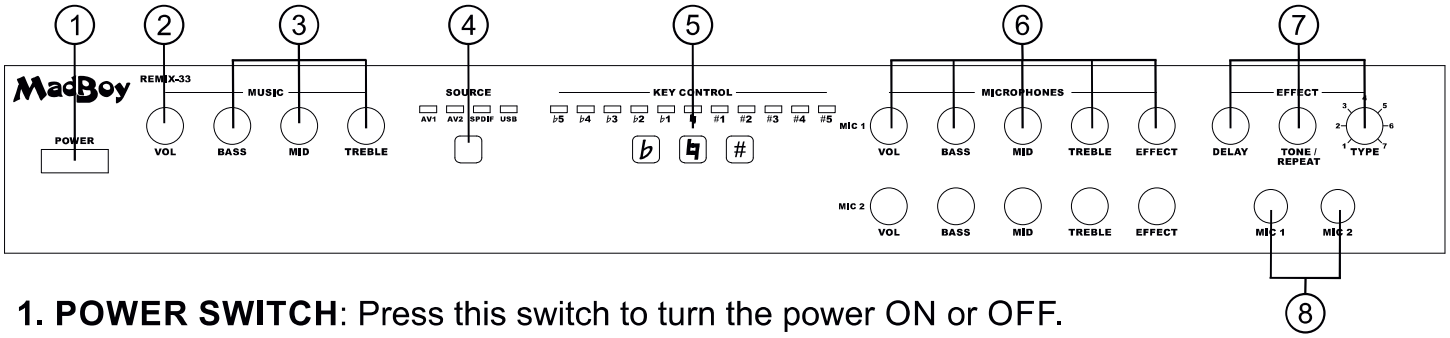
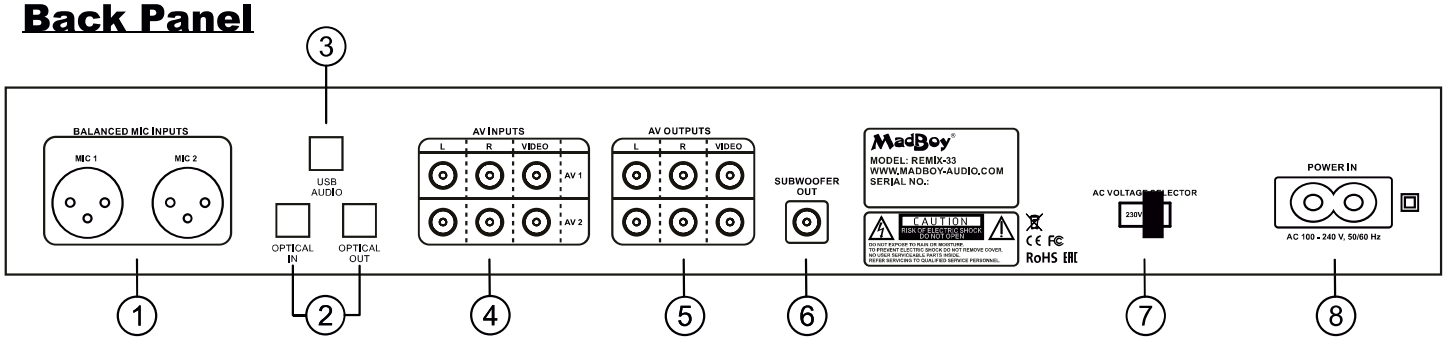
# Getting Started

## Front Panel




1. **POWER SWITCH**: Press this switch to turn the power ON or OFF.
2. **MUSIC VOLUME:** For adjusting the volume of the music.
3. **BASS, MID and TREBLE**: Use these to boost or cut the frequency of the music.
4. **INPUT SELECTION**: Press to select the input source (AV1/AV2/SPDIF/USB).
5. **KEY CONTROL**: For setting the key of the music:
   - Press ♭ button to decrease key by one semitone.
   - Press ♮ button to reset key back to normal.
   - Press # button to increase key by one semitone.
6. **MIC VOL, BASS, MID, TREBLE and EFFECT**: For adjusting the mic volume, effect volume and to boost or cut the audio frequency of the microphone.
7. **EFFECT DELAY**, **TONE / REPEAT and TYPE**: For adjusting the delay, tone (for effect types 1-5), repeat (for effect types 6-7) and the type* of the effect for the microphones.
   *Echo types listed on page 13
8. **MICROPHONE INPUT** (1/4" mm jack): Insert the microphone cable to these inputs.

## Back Panel




1. **BALANCED MIC INPUTS (XLR)**: Use these inputs with balanced XLR microphone cables.
2. **OPTICAL IN/OUT (S/PDIF):** For connecting digitally to/from TV/amplifier/computer with Toslink cable. Notice! Only PCM audio format is supported.
3. **USB (TYPE B) IN/OUT:** For connecting to the computer to use as an audio interface, for recording or audio mixing. Computer with USB interface required.
4. **AV INPUTS:** For connecting audio source DVD, PC, MP3 or CD via RCA cable connection.
5. **AV OUTPUTS:** For connecting to amplifier or active speakers via RCA cable connection.
6. **SUBWOOFER OUT:** For connecting active subwoofer using RCA cable.
7. **VOLTAGE SELECTOR:** For selecting AC voltage (230 V / 115 V).

**NOTICE! MAKE SURE THAT THE VOLTAGE IS SET CORRECTLY FOR YOUR REGION! WRONG VOLTAGE SETTING MAY CAUSE SERIOUS DAMAGE TO MACHINE AND VOIDS THE WARRANTY!**

8. **POWER INPUT**: Insert the power cable here.

# Getting Connected: Basic Connection Examples

Before making any connections turn the power off from all devices.

The analog connection can be made according to the Basic Connection Example using RCA cable. Cables are color-coded (white, red, yellow) to make the installation easier.

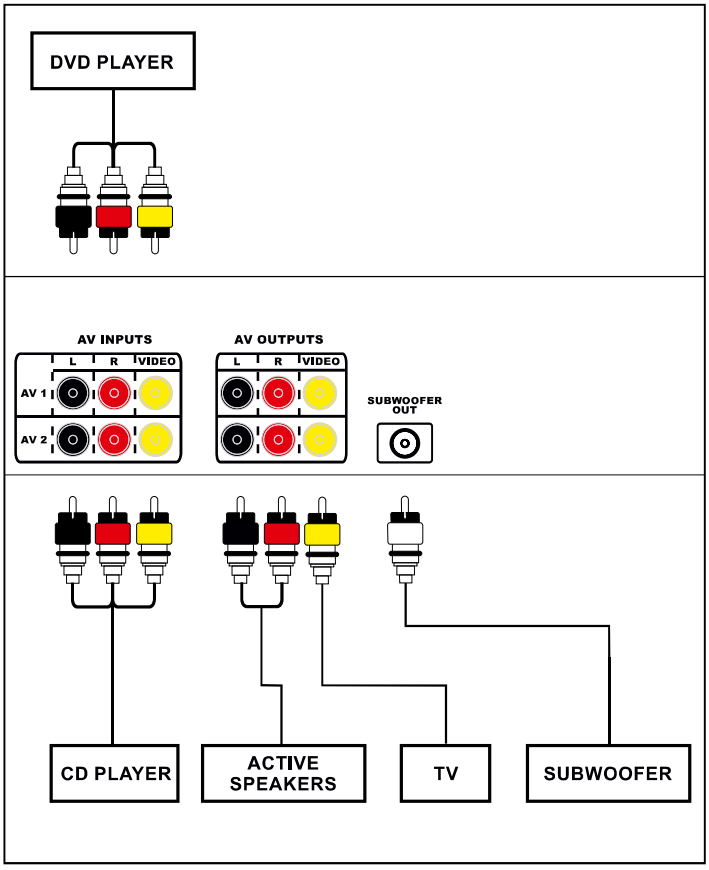
The digital connection can be made using Toslink cable (Fig. 1). Audio source must be set to output audio in PCM format.

REMIX-33 can be connected to the computer using USB cable. USB Type A - USB Type B cable* is needed to make the installation. The computer can be set up as an audio source and a recorder.

The microphones can be connected to the front panel using balanced or unbalanced 1/4" microphone plug cable (Fig. 2) or to the back panel using balanced XLR cable (Fig. 3).

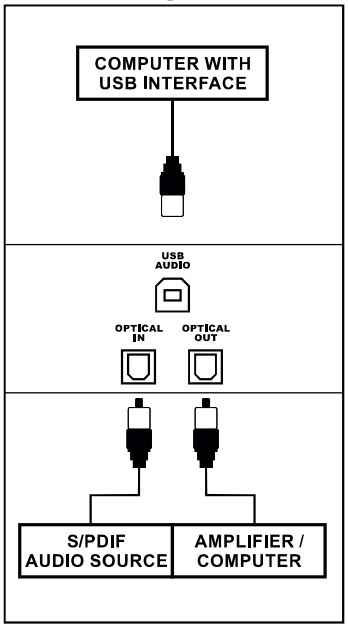
See for a detailed connection examples on the page 6-10.

## Basic Connection Example

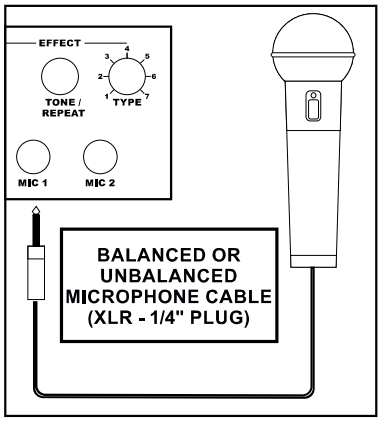



*CABLES SOLD SEPARATELY

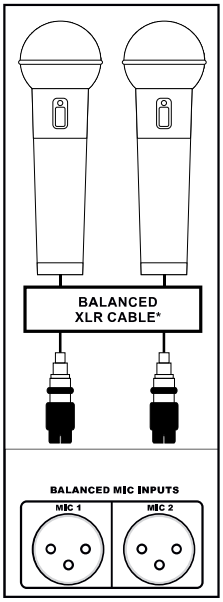
## Fig. 1




## Fig. 2




## Fig. 3

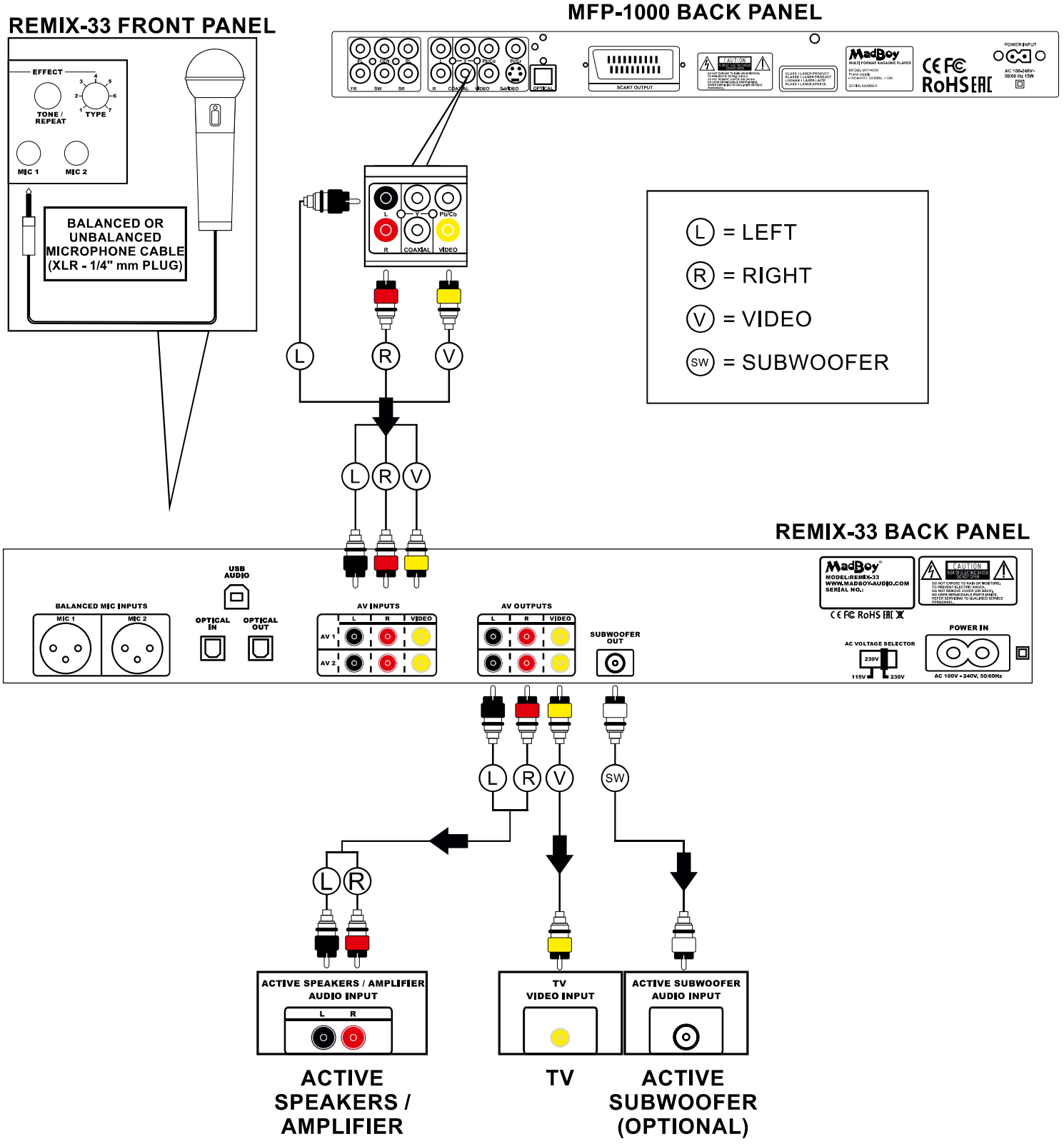



NOTE! Only two microphones can be connected simultaneously!

# Getting Connected: Connection Examples

Connection examples using REMIX-33 features.

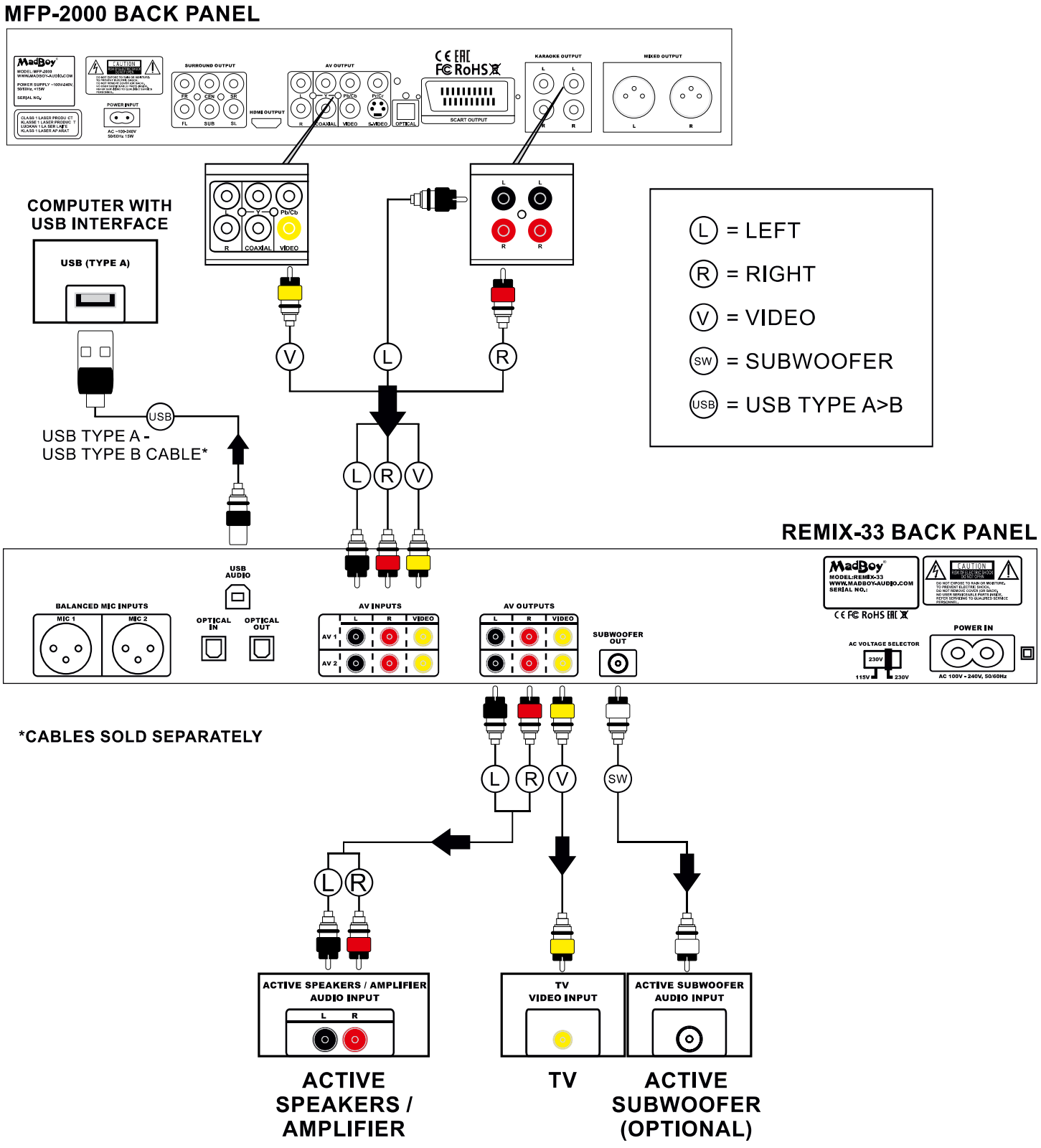
**1. Connecting MFP-1000 karaoke player.**



# Getting Connected: Connection Examples

Connection examples using REMIX-33 features.

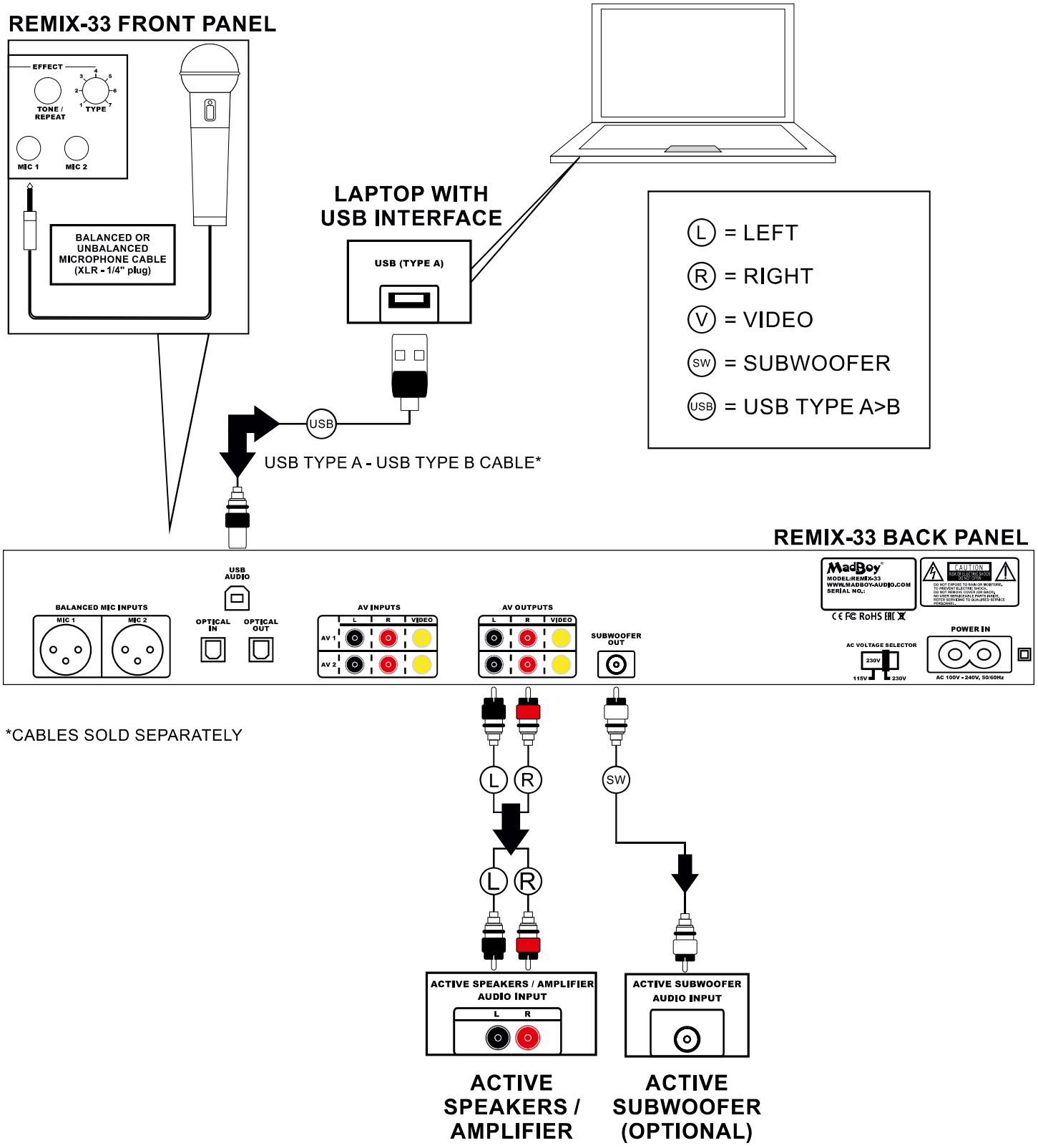
## 2. Connecting MFP-2000 karaoke player as audio source and computer for recording.



# Getting Connected: Connection Examples

Connection examples using REMIX-33 features.

**3. Connecting computer as audio source and for recording using USB audio interface.**

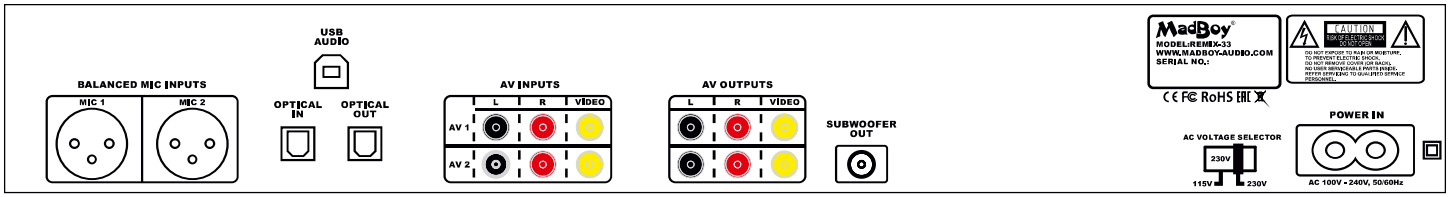


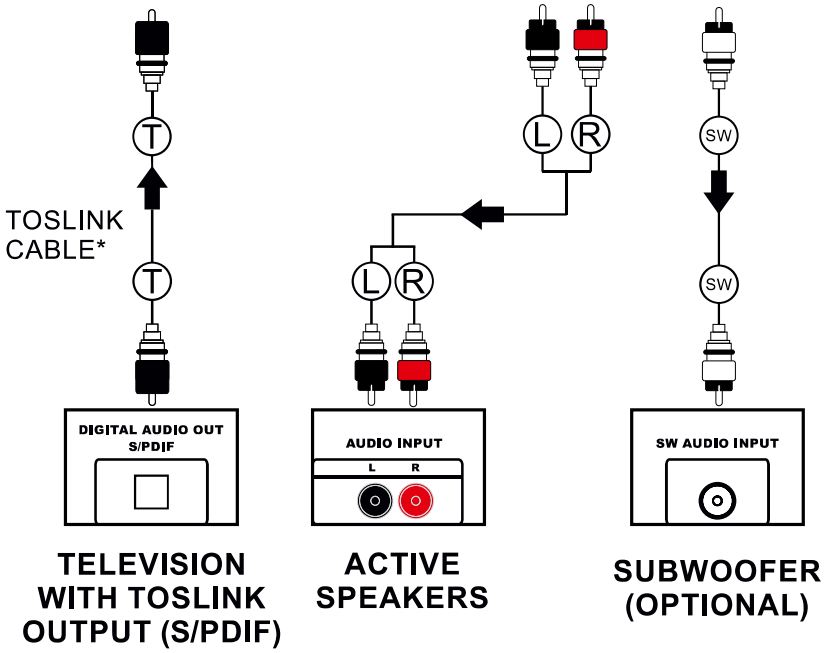
# Getting Connected: Connection Examples

Connection examples using REMIX-33 features.

## 5. Connecting television as an audio source.

**REMIX-33 BACK PANEL**




Ⓛ = LEFT
Ⓡ = RIGHT
Ⓥ = VIDEO
SW = SUBWOOFER
Ⓣ = TOSLINK

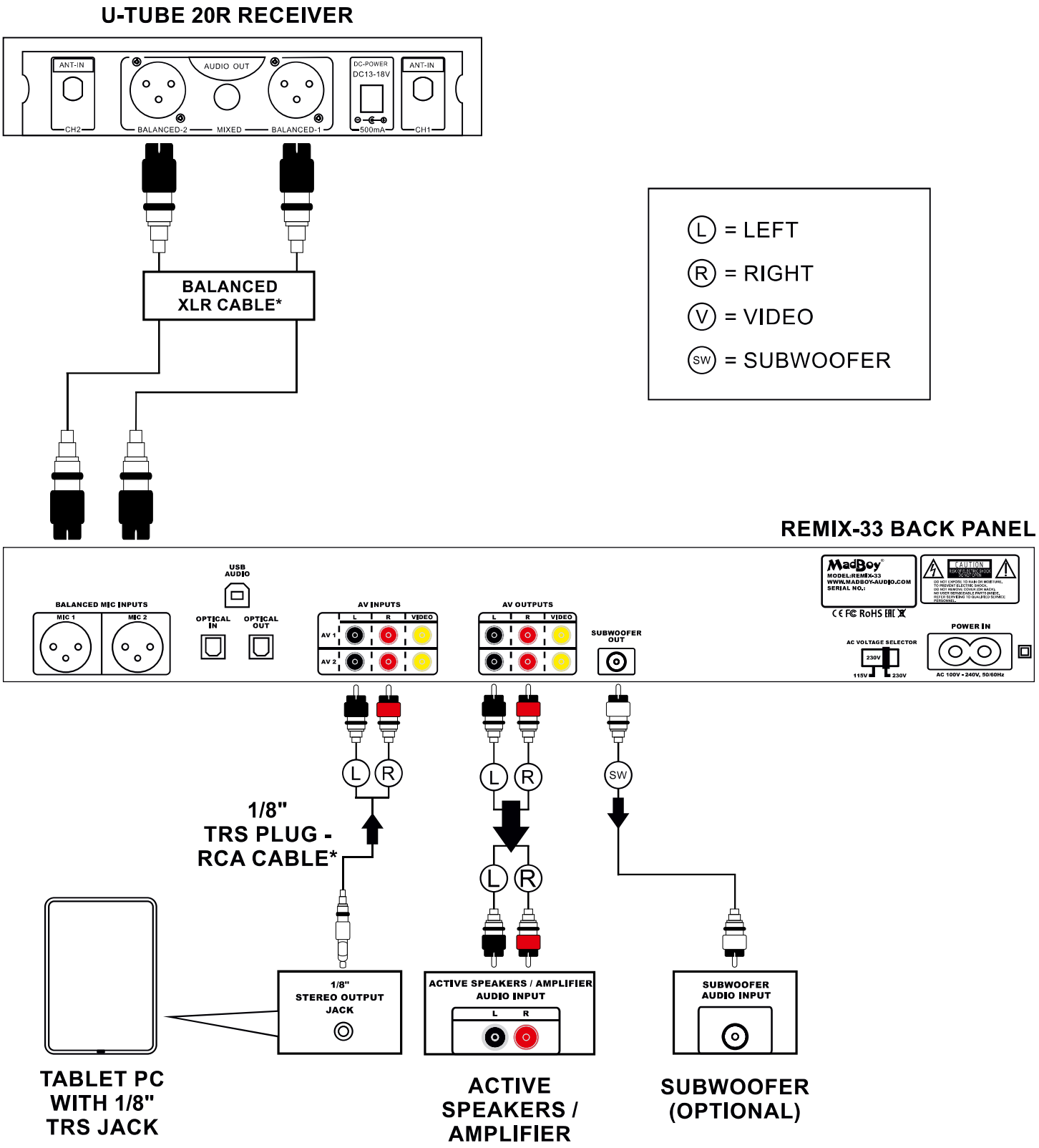
Notice! Television must be set to output audio in PCM format.

*CABLES SOLD SEPARATELY

# Getting Connected: Connection Examples

Connection examples using REMIX-33 features.

**4. Connecting tablet as an audio source and U-TUBE 20R wireless microphone set.**




*** CABLES SOLD SEPARATELY**

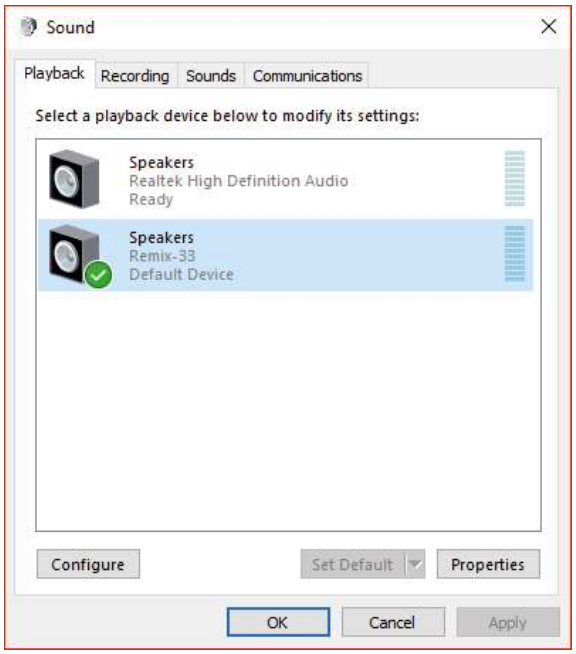
# Setting up a computer as an audio source and a recorder when using USB audio interface

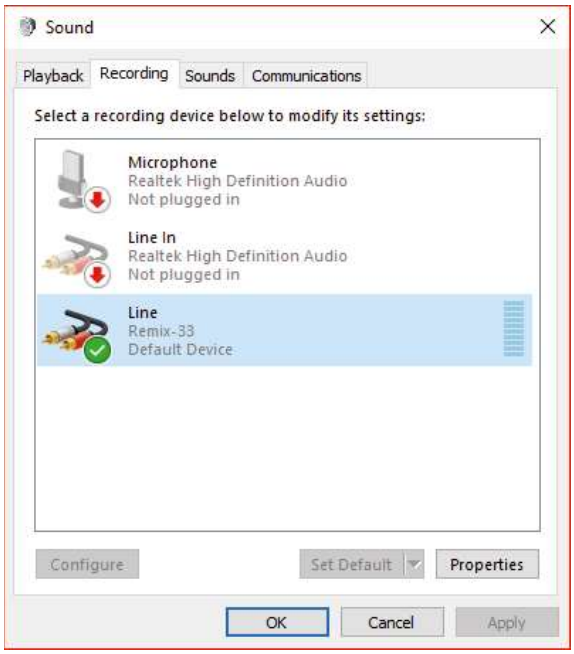
Connecting the REMIX-33 to the computer with the Windows operating system:

Connect the Remix-33 to the computer with USB cable. Drivers are installed automatically when the device is connected first time to the computer. Wait until the setup is completed.

You can set the REMIX-33 as the default playback device from the Windows Sound Setting's playback options.

Set the REMIX-33 as the default recording device from the Recording options.



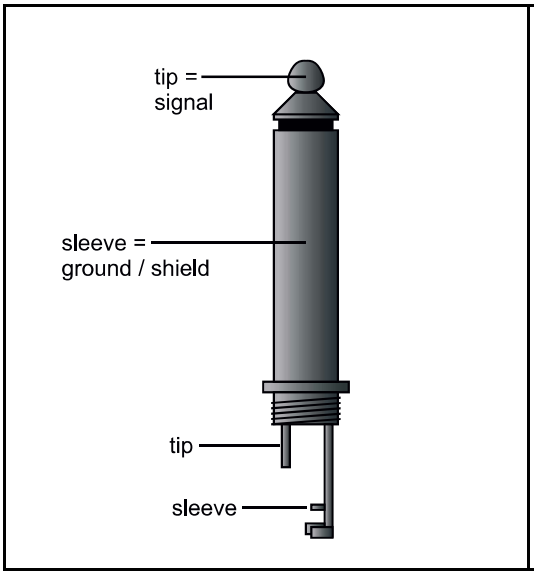

Connecting the REMIX-33 to the computer with the macOS operating system:

Connect the REMIX-33 to the computer with USB cable. Drivers are automatically installed when connecting first time with macOS equipped computer. Wait until the setup is complete.

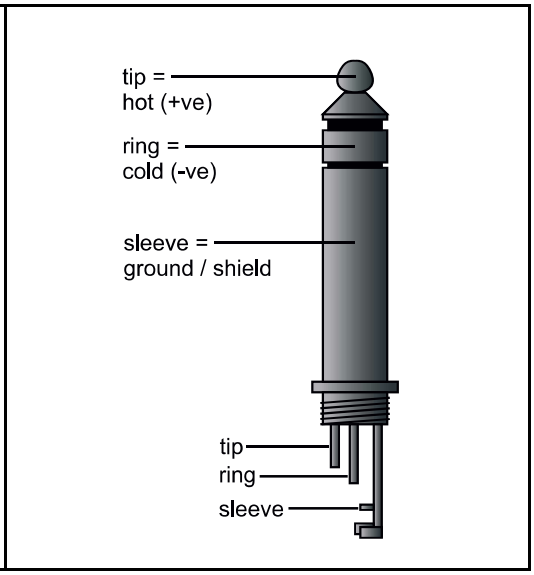
You can set the REMIX-33 as the default playback and recording device from macOS audio setup → System Settings → Sound → Audio out/Audio in → REMIX-33.

# Microphone connectors

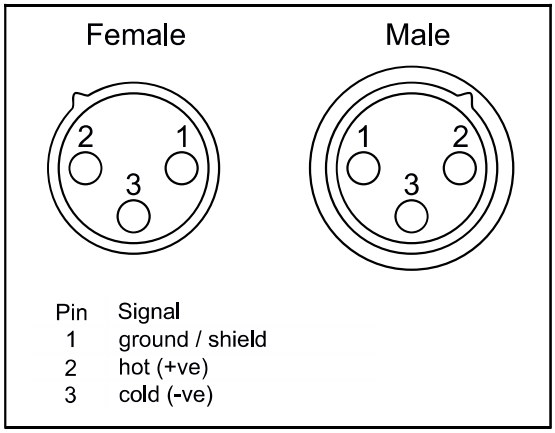
Unbalanced 1/4" TS connector




Balanced 1/4" TRS connector




Balanced XLR connector




| Pin | Signal |
|---|---|
| 1 | ground / shield |
| 2 | hot (+ve) |
| 3 | cold (-ve) |

# Technical Specifications

**The List of effects:**

1. SMALL ROOM
2. LARGE ROOM
3. SMALL HALL
4. LARGE HALL
5. PLATE
6. ECHO
7. ECHO + REVERB

**Technical specifications:**

**Line inputs:**

| | |
|---|---|
| Maximum input level: | 0 dBV |

**Music controls:**

| | |
|---|---|
| VOL: | -∞ – +12 dB |
| BASS: | ±12 dB / 80 Hz |
| MID: | ±12 dB / 2.5 kHz |
| TREBLE: | ±12 dB / 12 kHz |

**Microphone controls:**

| | |
|---|---|
| VOL: | -∞ – +18 dB |
| BASS: | ±12 dB / 80 Hz |
| MID: | ±12 dB / 2.5 kHz |
| TREBLE: | ±12 dB / 12 kHz |

**Power:**

| | |
|---|---|
| Power input: | ~230 V / 50 Hz or ~115 V / 60 Hz |
| Power consumption: | 10 W |

**Dimensions:** **(W) 430 mm x (D) 238 mm x (H) 65 mm**