makemate®

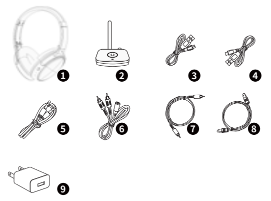
BKM200 - DESIGNED FOR TV / PC WATCHING

QR code of Installation Video
(You can scan with camera or others app)

USER GUIDE

AFTER-SALES MAIL: dllcsz@outlook.com

1. Included Items

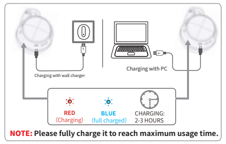


1. 1 x Bluetooth Headphone
2. 1 x Bluetooth Transmitter
3. 1 x USB Android cable
4. 1 x USB Type-C cable
5. 1x 3.5mm-3.5mm audio cable
6. 1x RCA audio cable
7. 1 x Coaxial cable
8. 1x Optical Digital cable
9. 1x Charger

2. Charging

Headphone is charging via USB cable, when finished, LED indicator light will be changed from **red** (Long bright) to **blue** (Long bright).

- Charging time: when charge it for the first time, it should be more than 4 hours and less than 8 hours, to activate the best use of the battery, and after that, each charging only needs 2-3 hours.
- Low battery: flashing a **red** light once from each 5 seconds, alarming once for each 5 minutes and accompanied by a "Battery Low" voice prompt.
- Please disconnect the USB cable when the headset is fully charged, since overcharge will shorten the battery life.



NOTE: Please fully charge it to reach maximum usage time.

3. Check your Device' s Output Ports

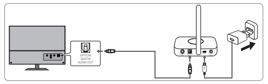
	Optical Output	RCA(Red/White) AUDIO OUT	AUX/3.5mm	Coaxial Output	Other RCA jacks
Jack Options					
Natively Supported?	✓	✓	✓	✓	✗
Please refer to Point:	Hookup A	Hookup B	Hookup C	Hookup D	N/A

4. Connection and Use

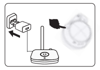
4.1 Following Hookup: A

You need:

1 optical cable, 1 headphone, 1 transmitter, 1 USB cable, 1 wall charger

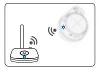


You need to setup after hookup:



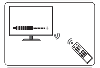
1. Get to wall charger and Power on

Get power to the transmitter with a wall charger, then turn on the headset(press 3 seconds).
Note: Please don' t get power to it with USB cable directly, may cause noise sound when using to watch TV.



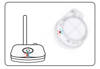
2.Auto connect

Wait several seconds, blue light on the transmitter stays solid and a slow blue light on the headset. They are paired.



3.Play

Turn on TV and play sound,enjoy it.



4.IF not paired

One: Please double click the pair button on the transmitter. Normally, it will pair successfully.
Two: IF still not paired, please make sure other Bluetooth devices nearby are turned off, then turn off the headphone wait 3 seconds, turn it on, do the upper steps from 1-3 again.

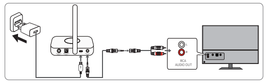
If TV doesn' t output sound, please adjust your TV setting, refer to "5. TV SETTING"

NOTE: If you still cannot receive audio on the headphones while at the same time hearing audio from the television speakers, please connect the transmitter to Cable Box / Satellite Box.

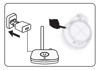
4.2 Following Hookup: B

You need:

1 RCA cable, 1 x 3.5mm cable, 1 headphone, 1 transmitter, 1 USB cable, 1 wall charger

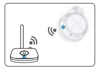


You need to setup after hookup:



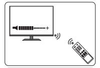
1. Get to wall charger and Power on

Get power to the transmitter with a wall charger, then turn on the headset(press 3 seconds).
Note: Please don' t get power to it with USB cable directly, may cause noise sound when using to watch TV.



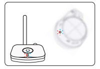
2.Auto connect

Wait several seconds, blue light on the transmitter stays solid and a slow blue light on the headset. They are paired.



3.Play

Turn on TV and play sound,enjoy it.



4.IF not paired

One: Please double click the pair button on the transmitter. Normally, it will pair successfully.
Two: IF still not paired, please make sure other Bluetooth devices nearby are turned off, then turn off the headphone wait 3 seconds, turn it on, do the upper steps from 1-3 again.

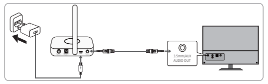
If TV doesn' t output sound, please adjust your TV setting, refer to "5. TV SETTING"

NOTE: If you still cannot receive audio on the headphones while at the same time hearing audio from the television speakers, please connect the transmitter to Cable Box / Satellite Box.

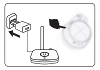
4.3 Following Hookup: C

You need:

1 x 3.5mm cable, 1 headphone, 1 transmitter, 1 USB cable, 1 wall charger

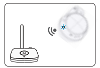


You need to setup after hookup:



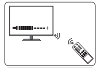
1. Get to wall charger and Power on

Get power to the transmitter with a wall charger, then turn on the headset(press 3 seconds).
Note: Please don' t get power to it with USB cable directly, may cause noise sound when using to watch TV.



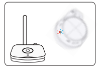
2.Auto connect

Wait several seconds, blue light on the transmitter stays solid and a slow blue light on the headset. They are paired.



3.Play

Turn on TV and play sound,enjoy it.



4.IF not paired

One: Please double click the pair button on the transmitter. Normally, it will pair successfully.
Two: IF still not paired, please make sure other Bluetooth devices nearby are turned off, then turn off the headphone wait 3 seconds, turn it on, do the upper steps from 1-3 again.

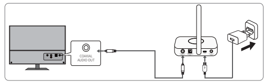
If TV doesn' t output sound, please adjust your TV setting, refer to "5. TV SETTING"

NOTE: If you still cannot receive audio on the headphones while at the same time hearing audio from the television speakers, please connect the transmitter to Cable Box / Satellite Box.

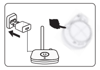
4.4 Following Hookup: D

You need:

1 coaxial cable, 1 headphone, 1 transmitter, 1 USB cable, 1 wall charger

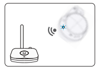


You need to setup after hookup:



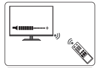
1. Get to wall charger and Power on

Get power to the transmitter with a wall charger, then turn on the headset(press 3 seconds).
Note: Please don' t get power to it with USB cable directly, may cause noise sound when using to watch TV.



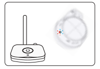
2.Auto connect

Wait several seconds, blue light on the transmitter stays solid and a slow blue light on the headset. They are paired.



3.Play

Turn on TV and play sound,enjoy it.



4.IF not paired

One: Please double click the pair button on the transmitter. Normally, it will pair successfully.
Two: IF still not paired, please make sure other Bluetooth devices nearby are turned off, then turn off the headphone wait 3 seconds, turn it on, do the upper steps from 1-3 again.

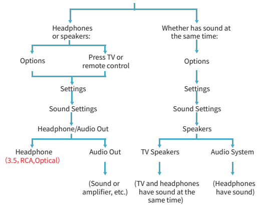
If TV doesn' t output sound, please adjust your TV setting, refer to "5. TV SETTING"

NOTE: If you still cannot receive audio on the headphones while at the same time hearing audio from the television speakers, please connect the transmitter to Cable Box / Satellite Box.

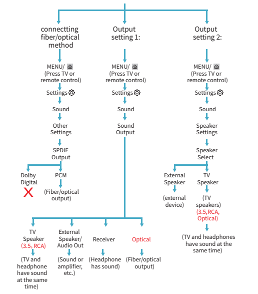
5. TV Setting

NOTE: Other TVs are similar to the settings.
Or contact your TV manufacturer for more details.

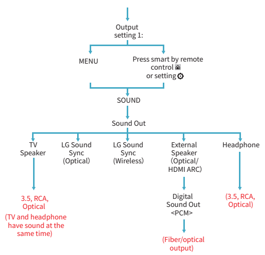
SONY TV:



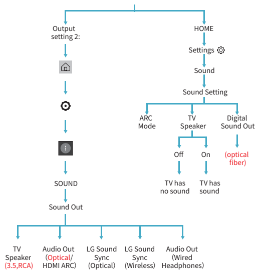
SAMSUNG TV:



LG TV:

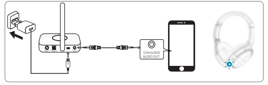


LG TV:



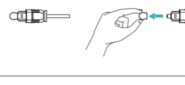
6. If doesn' t Work with optical connection, Please try below:

1. connect the transmitter to your phone with 3.5mm aux cable, make sure whether the headphone works.

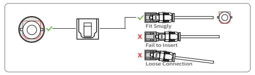


2. Make sure the blue light on the transmitter is on.

3. The plastic caps need to be removed.



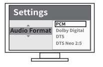
4. Make sure the optical cable connects correctly to your TV.



NOTE: Do not insert reversely, otherwise get static or no sound.

5.Do not tie it up and fold it into 90 degrees, since Optical cable is made of glass and plastic.

6. Ensure your TV audio format is set to "PCM/LPCM" and TV audio OUT setting to "External Speakers".



7. Release Headphones Pressure

If too Tight on your head, the headset strap which is made of stainless steel can be straightened to relieve pressure.

8. Technical Specifications

Problem	Possible cause	Possible solutions
No sound	Headphones are paired with other Bluetooth devices in your house (including: mobile phone, iPad, Bluetooth speaker, etc.)	Before connecting the headset with the transmitter, turn off other Bluetooth devices. Pair the headphones with the transmitter again.
	Power off.	Check the power status of headset and the transmitter. When the red light flashes, indicating the battery is low and needs to be charged.
	Before watching TV, if the headset and your phone are connected, headset didn't pair with the transmitter.	you need to turn off the phone Bluetooth and headphone. After rebooting the transmitter and headphone, double click transmitter to pair with headset.
	Audio plug is not correctly connected.	Check the audio plug connection.
	Audio source is switched off.	Switch the audio source on.
	Volume of the analog audio source is either set to the minimum or is on mute.	Increase the volume on the audio source to at least a medium level / Deactivate the muting function from the audio source.
	Audio cable is defective.	Replace the audio cable.
	Wrong audio input is selected.	Select the other AUDIO OUT.
	Digital audio connection uses incompatible data transmission settings.	Set the digital audio output of your device/audio source to "**PCM**" on TV or "Dolby" is OFF.

Problem	Possible cause	Possible solutions
Noise sound	Power the transmitter without charger, which causes electric current too small to fully drive the transmitter.	Power the transmitter with a charger, don't charge with USB cable directly.
Sound dropouts/ disappear	Connection is interrupted due to the distance being too far (over 30-50M / 100-164ft).	Double click the transmitter power button to re-match, if not paired, double click again. If the headphone has noise, restart the headset.
	Signal is shielded.	Remove obstacles between the transmitter and headphones.
	There are interfering Bluetooth devices in the vicinity.	Turn off other Bluetooth devices.
Sound is too low	Headphone volume is adjusted too low.	Increase the volume on the headphones.
	Volume of the audio source is adjusted too low.	Increase the volume on the audio source to at least a medium level, or change to digital optical connection.
	3.5mm AUX port or RCA port may release not enough volume in some TVs.	Need to turn up the TV volume or try optical connection.
Hear echoes and TV tone when using headphones	Some TVs can adjust a delay or latency of the audio signal for the digital audio output.	Check the audio output settings of your TV and set the latency to "0".
Can' t hera Netflix or Hulu	Didn' t set tv audio to"PCM"	Didn To open a mivie in Netflix,with the moving running,set tv audio with remote, change the TV output format to PCM.Make sure open the Netflix firstly. If use Roku for Netflix,just use Poku remote control to switch from cable to Netflix and then the headset works great.

Problem	Possible cause	Possible solutions
Sound only on one ear	It may connect to 3.5mm audio & video port(3.5mm AV port), only one channel of audio will output.	Use with optical connection.
	Audio cable is not connected completely and correctly.	Check the plug connection.
The headset has sound, but TV has no sound. Or both TV and headphones have sound.	3.5mm AUX port only supports that headphone receives sound, with TV no sound. While, using RCA, coaxial and optical port, both TV and headphone get sounds.	For most TVs, can hear TV with this wireless headset and others can hear TV with normal voice; For watching TV quietly alone, click MUTE key to close the TV speaker by TV remote. But for some TVs, the TV' s speaker will go silent and only the headset works. It depends on TVs' circuit design. We suggest buyers to consult TV manufacturer for more details.
	Didn't adjust TV Setting, and some tv setting is different.	Please refer to 5. TV SETTING
Sound is distorted	Signal of the audio source is distorted.	Reduce the volume of the audio source.
	Headphone volume is adjusted too high.	Reduce the volume on the headphones.
Headset cannot be activated. The red and blue lights for Headset are flashing	Other headphone is connected to the transmitter.	Switch off all other connected headphones.Pair the headphone with the transmitter again. Pls follow the 3.2 to pair & connect again.

9. Technical Specifications

BKM200 Headphones Specification

Item	Specification
Weight & size	About 5.29oz /150g, 7.09in/180mm
Headphone model	Wireless Bluetooth
Support profile	Apt-X, HSP, HFP, A2DP, AVRCP
Frequency(Hz)	20HZ - 20KHz
Continuous music time	About 15H
Charging time	About 3H
Standby time	about 300H
Battery specifications	Rechargeable Li-ion Battery 3.7V; 300mAh
Environment	14°F ~ 122°F/-10 °C ~ 50 °C -4°F ~ 176°F/-20 °C ~ 80 °C
Secure paring	10M / 33ft
Audio standard	40mm, 32Ω, 110dB speaker
Main function	Hi-fi Full compatible Bluetooth decode stereo voice, led indicator light, Foldable design
Certification	BQB, Bluetooth 4.1, Apt-X, CE

Transmitter Specification

Specification:	
Chip:	Qualcomm CSR8670 Chipset
Audio codec:	A2DP, aptX, aptX-LL, SBC,AAC (APTX, APTX LL, AAC will need license cost)
Support ports:	3.5mm AUX, RCA, Optical and Coaxial
Operation range:	Class I, 100-165ft/30-50M
Input voltage/ current:	DC 5V/ 500mA
Operating temperature:	14°F ~ 113°F/-10 °C ~ 45 °C
Storage temperature:	-4°F ~ 140°F/-20 °C ~ 60 °C
Support sampling rate in optical mode:	⩽48KHz
Size:	3.6x2.3x0.8in/91x57x21mm (Not including the antenna)
Support dual link:	can connect with two pairs of wireless headsets at the same time
Clearing pairing history:	Double click power button

10.LED Indicator

BKM200 Headphones LED Indicator

Status	LED Indicator
Power on	Blue light shinning
Power off	Red light long bright for 1 second
Pairing	Red and blue lights flashing alternately, blue light flashes 2 second once after connected
Standby state (without Bluetooth connected)	Red and blue light flashing alternately
Standby state (with Bluetooth connected)	Blue light flashes 1 time in 3 seconds
Charging	Red light long bright
Charge completed	Blue light long bright
Battery is low	Red light flashes 1 time in 5 seconds, alarm goes off 1 time in 5 minutes, accompanied with "battery low" voice prompt.
iPhone shows	Battery status of the Bluetooth headphone.

FCC ID: 2AHTV-BKM200

15.19 "This device 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."

11. 1 Year Full Warranty

If the product fails to work, it will be replaced at no fee.
Please e-mail us: **dllcsz@outlook.com**
We will reply you within 1 working days.

12. BKM200 YouTube Video

YouTube
makemate BKM200 TV Headphones Setup and Troubleshooting 2020V

NOTE: 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.