

Nulaxy KM20

Nulaxy KM20 Bluetooth FM Transmitter User Manual

Model: KM20 | Brand: Nulaxy

1. INTRODUCTION

Thank you for choosing the Nulaxy KM20 Bluetooth FM Transmitter. This device is designed to enhance your in-car audio experience by allowing you to stream music, make hands-free calls, and charge your devices conveniently. With its 1.8-inch color screen, flexible gooseneck, and advanced features like enhanced microphone and Bass/Treble Boost, the KM20 provides a versatile and user-friendly solution for vehicles without built-in Bluetooth.



Figure 1: Nulaxy KM20 Bluetooth FM Transmitter

2. PACKAGE CONTENTS

Please check the package for the following items:

- Nulaxy KM20 Bluetooth FM Transmitter
- User Manual
- 3.5mm Audio Cable
- Spare Fuse



Figure 2: KM20 with labels for its various ports and features.

3. PRODUCT OVERVIEW

The Nulaxy KM20 features a user-friendly design with intuitive controls and multiple connectivity options.

- **1.8-inch Color Screen:** Provides clear display of frequency, track information, and call status.
- **Flexible Gooseneck:** Allows for optimal viewing angle and positioning in your vehicle.
- **Multi-function Buttons:** Dedicated buttons for call management, Bass/Treble adjustment, and channel selection.
- **Metal Scroll Wheel:** For precise volume control and menu navigation.
- **Enhanced Microphone:** For crystal-clear hands-free calls with noise cancellation technology.
- **Dual Charging Ports:** Includes a QC3.0 fast charging port and a 2.4A standard charging port.
- **Multiple Audio Inputs:** Supports Bluetooth 5.0, AUX port, TF card, and USB drive for music playback.

1.8" Large Screen

Better view for your safety



Figure 3: 1.8" Large Color Screen

Fine Tune Your Volume

Additional volume adjustable compared with button



Figure 4: Metal Scroll Wheel for Volume and Tuning



Figure 5: Enhanced Microphone for Clear Calls



4. SETUP GUIDE

Follow these steps to set up your Nulaxy KM20 FM Transmitter:

1. **Plug In:** Insert the KM20 into your car's 12V cigarette lighter socket. The device will automatically power on and display "KM20" on the screen.
2. **Bluetooth Pairing:**
 - On your smartphone, enable Bluetooth.
 - Search for available devices and select "KM20" to pair. The screen will show "Bluetooth KM20 Connected" once successfully paired.
3. **Tune FM Frequency:**
 - Find an unoccupied FM frequency on your car radio (a frequency with no static or existing broadcast).
 - Adjust the FM frequency on the KM20 to match your car radio's frequency. Use the CH+ and CH- buttons or the scroll wheel to change the frequency on the transmitter.
4. **Audio Connection (Optional):** If your car has an AUX-in port, you can connect the KM20 to your car's audio system using the provided 3.5mm audio cable for a direct connection, bypassing FM transmission.


Your browser does not support the video tag.

Video 1: Nulaxy KM20 Bluetooth FM Transmitter Setup and Features Overview. This video demonstrates the unboxing, initial setup, Bluetooth pairing, and basic operation of the device.

5. OPERATING INSTRUCTIONS

5.1 Hands-Free Calling

The KM20 features an enhanced microphone for clear hands-free communication.

- **Answer/End Call:** Press the **Call Button**  once.
- **Reject Call:** Press and hold the **Call Button**.
- **Redial Last Number:** Double-press the **Call Button**.
- **Activate Voice Assistant (Siri/Google Assistant):** Long press the **Call Button** to activate your phone's voice assistant.



Upgraded Microphone for Clearer Hands-free Call

Lossless sound quality during voice call

Figure 7: Hands-Free Calling with Enhanced Microphone

5.2 Music Playback

The KM20 supports various music sources:

- **Bluetooth:** Stream music wirelessly from your paired smartphone or tablet.
- **TF Card:** Insert a TF (Micro SD) card into the TF slot. The device will automatically play music files.
- **USB Drive:** Insert a USB flash drive into the USB port (not the charging ports). The device will play music files.
- **AUX Input:** Connect an external audio device (e.g., MP3 player) via the 3.5mm AUX port using the provided cable.

Use the **Previous/Next Track** buttons (/) to navigate tracks. Press the **Call Button** to Play/Pause music.

5.3 Audio Customization (Bass & Treble Boost)

Customize your audio experience with the Bass and Treble boost feature:

- Press the **BASS** button to enter Bass adjustment mode. Rotate the metal scroll wheel to increase or decrease bass levels.
- Press the **TRE** (Treble) button to enter Treble adjustment mode. Rotate the metal scroll wheel to increase

or decrease treble levels.



Figure 8: Adjusting Bass and Treble Levels

5.4 Changing FM Frequency

If you encounter interference or wish to change the broadcast frequency:

- Press the **CH+** or **CH-** buttons to adjust the FM frequency on the KM20.
- Alternatively, rotate the metal scroll wheel while in FM mode to fine-tune the frequency.
- Ensure your car radio is tuned to the same unoccupied frequency as the KM20 for optimal audio quality.

6. CHARGING FUNCTIONALITY

The Nulaxy KM20 is equipped with dual USB charging ports to power your devices:

- **QC3.0 Fast Charge Port:** Provides rapid charging for compatible devices, up to 4 times faster than conventional charging.
- **2.4A Standard Charging Port:** Offers reliable charging for a wide range of devices.

Dual Charging Ports

QC3.0 Fast Charge+2.4A



Figure 9: Dual USB Charging Ports

7. TROUBLESHOOTING

If you encounter issues with your Nulaxy KM20, please refer to the following common solutions:

Problem	Possible Cause / Solution
Poor audio quality / Static noise	<ul style="list-style-type: none">◦ FM frequency interference: Change to an unoccupied FM frequency on both the KM20 and your car radio.◦ Volume levels: Adjust the volume on both the KM20 and your car radio. Ensure the KM20 volume is not too low or too high.◦ Weak signal: Try a different FM frequency.

Problem	Possible Cause / Solution
Bluetooth connection issues	<ul style="list-style-type: none"> ◦ Ensure Bluetooth is enabled on your device and the KM20 is in pairing mode. ◦ Delete "KM20" from your device's Bluetooth history and re-pair. ◦ Restart both the KM20 (unplug and plug back in) and your Bluetooth device.
Hands-free call quality is poor	<ul style="list-style-type: none"> ◦ Ensure the microphone is not obstructed. ◦ Adjust the position of the gooseneck to bring the microphone closer to you. ◦ Background noise: The enhanced mic has noise cancellation, but extreme noise may still affect quality.
Device does not power on	<ul style="list-style-type: none"> ◦ Check if the car's 12V socket is working. ◦ Check the fuse in the KM20's cigarette lighter plug. Replace if blown (a spare fuse is included).
USB/TF card not playing music	<ul style="list-style-type: none"> ◦ Ensure the music files are in a supported format (e.g., MP3, WMA). ◦ Check if the USB drive or TF card is properly inserted. ◦ Verify the file system of the USB/TF card (FAT32 is commonly supported).

8. SPECIFICATIONS

Feature	Detail
Model Number	KM20
Brand	Nulaxy
Connectivity Technology	Bluetooth, Auxiliary, USB
Bluetooth Version	5.0
Screen Size	1.8 inches (color screen)
Charging Ports	QC3.0 + 2.4A USB ports
Power Source	Corded Electric (12V car socket)
Material	Metal
Item Weight	6.4 ounces
Package Dimensions	5.67 x 4.25 x 2.24 inches

9. MAINTENANCE

To ensure the longevity and optimal performance of your Nulaxy KM20:

- Keep the device dry and away from extreme temperatures.
- Clean the device with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Avoid dropping or subjecting the device to strong impacts.
- If not in use for extended periods, unplug the device from the car's 12V socket.

10. WARRANTY AND SUPPORT

Nulaxy products come with a standard manufacturer's warranty. For detailed warranty information, technical support, or customer service inquiries, please refer to the contact information provided on the Nulaxy official website or the product packaging. Please retain your purchase receipt for warranty claims.

For further assistance, you may visit the Nulaxy Store on Amazon: [Nulaxy Store](#)