

LASERTAIL LASERTAIL 4+64GB

LASERTAIL 9.7 Inch Ford Mustang Stereo Upgrade (2010-2014) Instruction Manual

Brand: LASERTAIL | Model: LASERTAIL 4+64GB

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and troubleshooting of your LASERTAIL 9.7 Inch Ford Mustang Stereo Upgrade. This head unit is designed for Ford Mustang models manufactured between 2010 and 2014, including GT, GT Premium, Shelby GT500, V6, and V6 Premium variants. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

The system features an Android 13 operating system, 8-core processor, 4GB RAM + 64GB ROM, 9.7-inch HD touchscreen, Wireless CarPlay, Wireless Android Auto, 5Ghz WiFi, Bluetooth 5.0, GPS navigation, DSP with 48 EQ, and supports a 1080P backup camera.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Car radio unit (9.7 inch)
- Installation kit
- 1080P backup camera
- Installation instruction manual
- Function instruction manual
- Canbus decoder
- GPS antenna

- Radio antenna
- Microphone
- Power cable harness
- RCA cable harness
- USB cables (4-pin and 6-pin)
- Rear camera input cable
- Original USB adapter
- Steering wheel control cable
- Installation tools



Image: Complete packing list for the LASERTAIL Ford Mustang stereo upgrade.

3. PRODUCT FEATURES

- **High Configuration Upgrade:** Powered by a UIS7862 octa-core processor and the latest Android 13 system for smooth operation and fast response. Features 4GB DDR4 RAM and 64GB ROM for faster data transfer and storage. The 9.7-inch large touchscreen provides an HD display for a vivid visual experience.

Higher Performance Chips

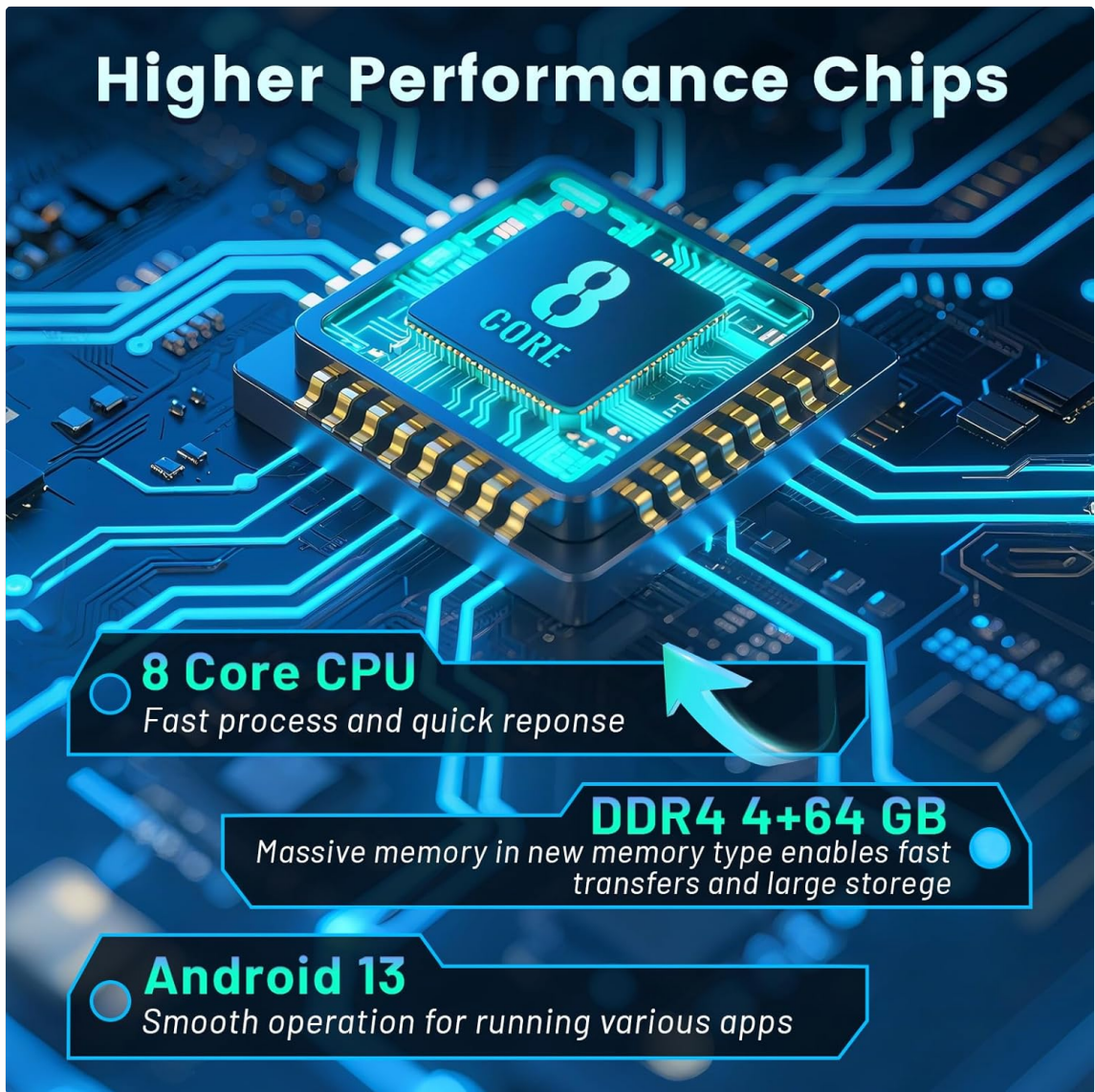


Image: Depicts the 8-core CPU, 4GB RAM + 64GB ROM, and Android 13 system for high performance.

- **Wireless CarPlay & Android Auto:** Supports seamless wireless CarPlay and Android Auto integration. Access GPS navigation, music, messages, and calls via Siri/Google voice control or the touchscreen. Features mirror link, split screen, phone book download, and voice assistant.

Wireless Carplay Android Auto



Image: Shows the head unit displaying Wireless CarPlay and Android Auto interfaces.

- **5Ghz WiFi, Bluetooth 5.0, GPS:** Supports 5Ghz WiFi for high-speed app downloads (e.g., Waze, YouTube, Spotify) from Google Play Store. Built-in GPS module for online or offline map navigation. Dual Bluetooth for stable and clear hands-free calls.



Image: Highlights features including DSP, 5G WiFi, Bluetooth 5.0, AM/FM/RDS Radio, GPS Navigation, Split Screen, Mirror Link, and Steering Wheel Control.

- **1080P Backup Camera & DSP:** Includes a high-definition waterproof 1080P rear view camera with night vision and 170° wide-angle for clear reversing images and parking assistance. Built-in AM/FM/RDS radio and DSP with 48 EQ and 8 sound effects for customized audio.



Image: Illustrates the 1080P backup camera functionality with high-definition, 170° wide-angle, waterproof design, and security reference lines.

- **Intelligent Cooling Fan:** Equipped with an intelligent cooling fan that automatically activates based on temperature or volume to cool the unit and extend its lifespan.



Image: Shows the intelligent cooling fan and its temperature/volume activation settings.

- **Steering Wheel Control (SWC):** Supports original steering wheel controls, allowing easy switching of music, volume adjustment, and answering calls while driving.

Steering Wheel Control



Image: Demonstrates the integration of original steering wheel controls with the head unit.

4. INSTALLATION GUIDE

4.1. Connecting the Main Harness and Accessories

Follow these steps to connect the main power harness and various accessories to the head unit. Refer to the provided video for a visual guide.

Video: Detailed instructions on how to plug the harness to the car radio.

1. **Power Cable Plug:** Connect the main power cable plug to the corresponding port on the head unit.
2. **Amplifier Cable:** If your original car has an amplifier, connect the two blue wires from the amplifier cable. If not, no connection is needed.
3. **8-PIN Connector (for Canbus):** Connect the 8-pin connector to the Canbus decoder.
4. **USB Cables:** Connect the 4-pin and 6-pin USB cables to their respective ports.
5. **RCA Cable Plug:** Connect the RCA cable plug for audio and video inputs/outputs.
6. **Microphone Cable:** Plug in the external microphone for improved call quality.
7. **GPS Cable:** Connect the GPS antenna cable to the head unit.

8. **Radio Antenna:** Connect the radio antenna for AM/FM reception.
9. **Fan Cable:** Connect the cooling fan cable to the designated port.

4.2. Connecting the Backup Camera

To ensure proper functionality of the backup camera, follow these connection steps. Refer to the provided video for a visual guide.

Video: Instructions for connecting the backup camera.

1. **Camera Cable:** Connect the camera cable to the camera unit.
2. **Reverse Signal Wire:** Peel off the outer skin of the third cable from left to right on the main harness and connect the red and brown cables together. This is the reverse control line.
3. **Camera Power:** The red cable from the camera power cord should be connected to the backup light's positive (+) terminal. The black cable should be connected to the ground (GND).
4. **Video Input:** Insert the camera RCA cable into the 10-pin port on the head unit.

Attention: The unit's Bluetooth & WiFi antenna and the Reverse Camera Cable are bundled together. Whether you install a reversing camera or not, please insert the camera RCA into the 10-pin port.

5. OPERATING INSTRUCTIONS

5.1. Wireless CarPlay Connection

Connect your iPhone wirelessly to the head unit for CarPlay functionality.

Video: Guide on how to connect wireless CarPlay.

1. **Step 1:** Turn on the head unit's Bluetooth and search for devices.
2. **Step 2:** Turn on your iPhone's Bluetooth and search for devices.
3. **Step 3:** On your iPhone, select the head unit's Bluetooth name (e.g., "CarKit_blink") and enter the passcode "0000" to pair.
4. **Step 4:** On the head unit, open the "Tlink5" application. The CarPlay connection should be successful.

5.2. Wireless Android Auto Connection

Connect your Android phone wirelessly to the head unit for Android Auto functionality.

Video: Guide on how to connect wireless Android Auto.

1. **Step 1:** Turn on the head unit's Bluetooth and search for devices.
2. **Step 2:** Turn on your Android phone's Bluetooth and search for devices.
3. **Step 3:** On your Android phone, select the head unit's Bluetooth name (e.g., "CarKit_blink") and enter the passcode "0000" to pair.
4. **Step 4:** On the head unit, open the "Tlink5" application. The Android Auto connection should be successful.

5.3. Mirror Link Connection

Mirror your smartphone screen to the head unit display.

Video: Instructions on how to connect wireless CarPlay, Android Auto, and Mirror Link.

1. **Step 1:** Turn on your phone's personal hotspot.
2. **Step 2:** On the head unit, go to "Settings" > "Network" > "Wi-Fi" and connect to your phone's hotspot.
3. **Step 3:** Open the "Tlink5" application on the head unit and switch to mirror mode. Select your phone type (iPhone or Android) and follow the on-screen prompts to initiate screen mirroring.

5.4. GPS Navigation

The head unit has a built-in GPS module. You can use pre-installed navigation apps or download others from the Google Play Store. Both online and offline maps are supported.

5.5. Bluetooth 5.0

Connect your smartphone via Bluetooth for hands-free calling and audio streaming. This enhances driving safety by allowing you to manage calls and music without distraction.

5.6. 5Ghz WiFi

Connect to a 5Ghz WiFi network for faster internet access, enabling quick downloads of apps, streaming content, and system updates.

5.7. AM/FM/RDS Radio

Tune into your favorite radio stations with the built-in AM/FM/RDS tuner. RDS (Radio Data System) provides additional information like station name and song title where available.

5.8. DSP with 48 EQ

Utilize the Digital Sound Processor (DSP) with 48-band Equalizer (EQ) and 8 sound effects to customize your audio experience to your preference.

5.9. Split Screen Functionality

The split-screen feature allows you to run two applications simultaneously on the 9.7-inch display, such as navigation and music playback.

6. SETTINGS

Access various settings to customize your head unit. Navigate to the "Settings" app on the main screen.

Video: Overview of car settings for the 9.7-inch Ford Mustang radio.

6.1. Change Speed Unit (KPH-MPH)

To change the speed unit displayed:

1. Go to "Car Setting".
2. Select "Speed unit".
3. Choose between KPH (kilometers per hour) or MPH (miles per hour).

6.2. Change Temperature Unit

To change the temperature unit displayed for AC information:

1. Go to "Settings".
2. Select "Original".
3. Choose "TEMP norm" and select between Centigrade or Fahrenheit.

6.3. Steering Wheel Control (SWC) Settings

If your steering wheel controls are not working or the previous/next buttons are reversed:

1. Check if the serial port cable (8-pin) is correctly inserted.
2. If there is a CANBUS box on the power cable, there is no need to learn the SWC. Check "Canbus agreement" in settings.
3. If there is no CANBUS, you may need to manually learn the SWC functions.

6.4. Camera Settings

If the rearview camera malfunctions or the display image is distorted:

1. Go to "Setting" > "Reverse".
2. Select "Reversing system selection".
3. Adjust the video standard (e.g., NTSC, PAL, AHD 720p 25fps, AHD 720p 30fps) to match your camera.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Troubleshooting

Steering wheel control does not work

- Check if the serial port cable (8-pin) is correctly inserted
- If there is a CANBUS box on the power cable, there is no need to learn the SWC, check "Canbus agreement" If it is not there, there is a need to learn the SWC

Can not turn on

- please refer to instruction and contact our technical support

No Sound

- Make sure you had connected the amplifier control wire.
- Check that the "select canbus agreement" setting is correct.
- Check the audio wiring for disconnection or poor contact.

If above method can not solve your problem, please contact our engineer through instruction with below information:
1. Order id 2. Car model 3. Details of the problem

Image: Troubleshooting steps for common issues.

- **Reset Factory:**
 - Reset code: 7890
 - Some apps may be lost after reset; refer to the instruction to re-download or contact technical support for APKs.
 - Resetting is generally not recommended.
- **Abnormal or Distorted Reverse Camera Display:**
 - Go to "Setting" > "Reverse" > "Reversing system selection".
 - Select "NTSC" or other appropriate video standard.

- **Steering Wheel Control Does Not Work:**
 - Check if the serial port cable (8-pin) is correctly inserted.
 - If there is a CANBUS box on the power cable, check "Canbus agreement" in settings. If not, you may need to learn the SWC manually.
- **Cannot Turn On:**
 - Please refer to the installation instruction and contact technical support for assistance.
- **No Sound:**
 - Make sure you have connected the amplifier control wire.
 - Check that the "select canbus agreement" setting is correct.
 - Check the audio wiring for disconnection or poor contact.

If the above methods do not resolve your problem, please contact our technical support with the following information:

1. Order ID
2. Car model
3. Details of the problem

8. SPECIFICATIONS

Feature	Specification
Package Dimensions	13.98 x 13.19 x 5.24 inches
Item Weight	6.6 pounds (3 Kilograms)
ASIN	B0F7LLB5FH
Item Model Number	LASERTAIL 4+64GB
Brand	LASERTAIL
Connectivity Technology	Bluetooth, USB, Wi-Fi
Controller Type	Android
Special Features	8Core, 5G WIFI, 9.7in 1024*768 Touch Screen, 1080P Camera, 4G Ram, 64G ROM, 48 Band EQ, Professional DSP, SWC, BT5.0 Bluetooth, Split screen display, Voice Assistant, Android 13 operation system, 1080p backup camera, Android Auto, Apple CarPlay, GPS Navigation
Compatible Devices	Smartphone, Speaker
Connector Type	3.5mm Jack, HDMI, RCA, USB

Feature	Specification
Audio Output Mode	Stereo
Surround Sound Channel Configuration	5
Video Encoding	H.264, H.265/HEVC, MPEG-4, etc.

9. WARRANTY AND SUPPORT

Your LASERTAIL 9.7 Inch Ford Mustang Stereo Upgrade comes with a standard manufacturer's warranty. For specific warranty details, please refer to the product packaging or contact your retailer.

For technical assistance, troubleshooting, or any questions regarding your product, please contact LASERTAIL customer support. Provide your order ID and product model number for faster service.