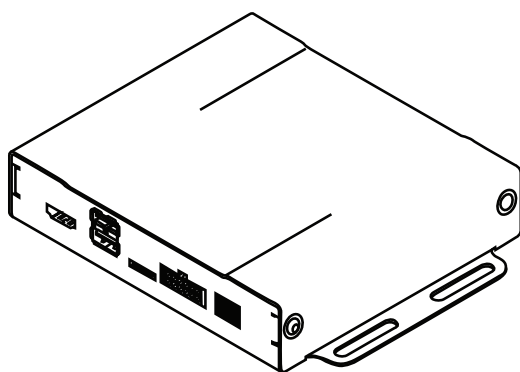


VLine



INSTALLATION MANUAL

LEX7T/8T

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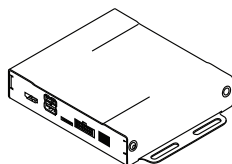
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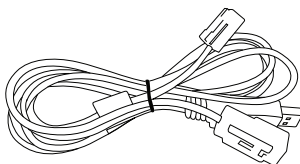
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GROM-VLINE SYSTEM

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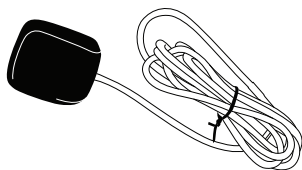
VLine module



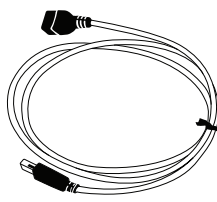
GVMF Video Display
Cable



MFCLEX7T RES
Power Interface
Cable



GPS Antenna



USB Extension cable

CHAPTER 1 — INSTALLATION

1.1 Before Installation

Before starting work with any wiring, please wait 90 seconds after turning the Ignition to the OFF position and disconnecting the negative (-) terminal of the battery. This is to ensure that no SRS airbags faults are triggered during the installation when disassembling the vehicle's panels and wiring connections for the VLINE module installation.

Please review the entire manual to familiarize yourself of the VLINE module and the installation requirements before installing the unit and using it.

1.2 Tools

Have tools ready for disassembling the dashboard panels to remove the stereo.

Some basic tools will be required for stereo removal and installation, Plastic prying tools, Phillips head screwdriver, 10mm socket and ratchet. Additional tools may be required depending on vehicle and installation preference.

1.3 Vehicle Installation

Each model vehicle disassembles differently. The removal of the stereo and

wiring installation requires special technical skills and experience. If you do not feel comfortable doing the installation please consult with your local car audio shop or installation professional for instructions or assistance if necessary.

Carefully remove the factory Stereo and Display out of the dash cavity with proper tools.

It may be necessary to disconnect items surrounding the stereo and display to remove them and gain access to the back of the stereo to make your connections.

1.4 Safety Guidelines & Appropriate Use

By using VLine you agree:

- to operate VLine only when there are safe driving conditions;
- to follow any applicable state and traffic laws;
- to keep an eye on the road at all time while driving;
- do not attempt to play video (such as YouTube) on a display while the vehicle is in motion;
- do not use VLine without running the engine for the extended period of time as it can drain the battery.

Do not use Vline in a manner that would distract the driver or that may otherwise cause injury or death to vehicle occupants or bystanders.

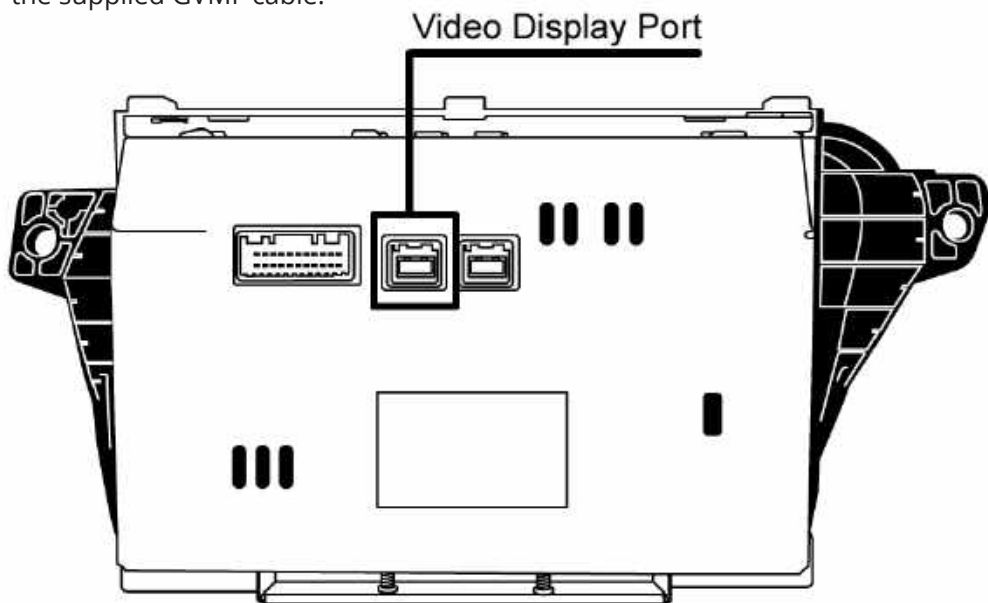
IT IS ILLEGAL IN MOST STATES OF THE UNITED STATES AND MAY BE ILLEGAL IN OTHER JURISDICTIONS FOR ANY TELEVISION OR OTHER VIDEO DISPLAY, STREAM, TRANSMISSION OR BROADCAST TO BE VISIBLE TO THE DRIVER WHILE THE VEHICLE IS IN MOTION. YOU AGREE NOT TO USE ANY VISUAL COMPONENT OF VLine WHILE IN CONTROL OF A MOVING VEHICLE WHERE DOING SO WOULD BE ILLEGAL OR DANGEROUS TO VEHICLE OCCUPANTS OR BYSTANDERS. DOING OTHERWISE CAN LEAD TO SERIOUS INJURY OR DEATH TO YOU AND OTHERS. PLEASE FIND A SAFE PLACE TO PARK AND ENGAGE THE PARKING BRAKE BEFORE VIEWING ANY VIDEO DISPLAYS, STREAMS, TRANSMISSION, OR BROADCAST AVAILABLE THROUGH VLINE.

Connect supplied video cable GVMF to factory display

Locate BLUE display port on rear of the car stereo display.

If the port is empty, plug in supplied video cable (GVMF) into port and leave female portion of cable with nothing attached.

If there is cable plugged in, disconnect that cable (typically blue in color). then plug in supplied Y cable and reconnect disconnected cable into female plug of the supplied GVMF cable.

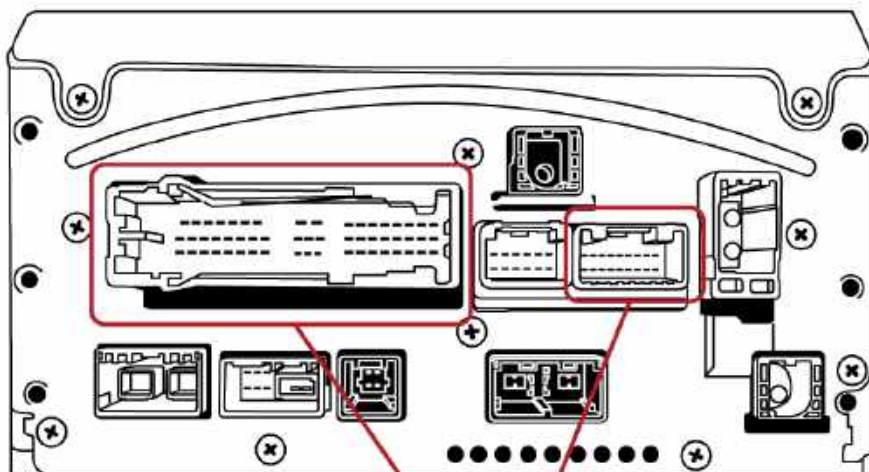


Make sure to connect the GVMF video cable to the back of the factory display, and not to the back of the stereo. If you will connect the GVMF cable to the back of the stereo, the VLine will not show up on the screen!

Warning: Do not pinch or hard bend the GVMF video cable, as it will affect the video signal. Make sure there are no hard bends near the GVMF cable connector to the VLine, and allow enough space around it.

Connect VLine Interface cable to the factory headunit

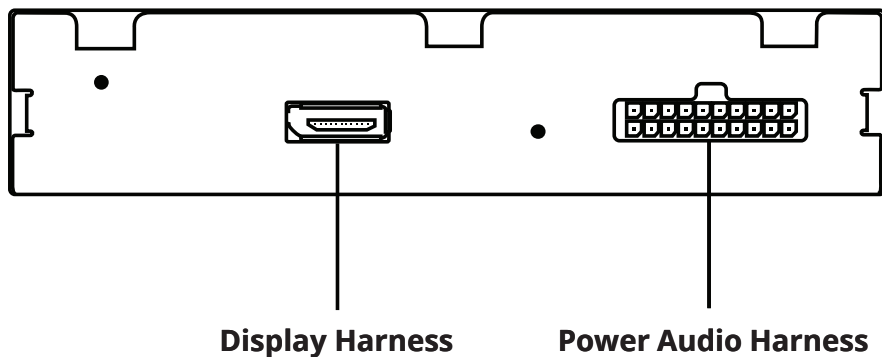
Locate 59-pin and 16-pin connectors at the back of the stereo, as shown on the illustration below. Unplug what is connected and plug in supplied power interface cable (MCFLEX7T) into both 59-pin and 16-pin on the back of the stereo. Connect what was unplugged into the female portion of the harness. See the illustration on the next page.



Power Audio Connectors

Connecting to VLine

Route the unused end of GVMF and MCFLEX7T Cable to the VLine module and connect them to the correctly labeled ports.



Using factory microphone

VLine will use factory microphone for its operation. Connect 3.5mm male connector from Power Interface Cable (MFCLEX7T) to the microphone port of VLine (see p. 9 for reference).

There are no additional steps needed to connect or operate VLine with the vehicle factory microphone. Simply follow to the guidelines in the User Manual.

Adjusting the microphone gain for CarPlay® or AAuto®

1. Go to VLine home screen, tap on three horizontal lines in the upper left corner of the screen. You will get into Settings Menu.
2. While in Settings, scroll down to the bottom of the screen.
3. Hit AUTO on screen to automatically adjust the microphone gain.
4. Follow to the instructions on the screen and adjust microphone gain.

We usually recommend setting the microphone gain to 45.

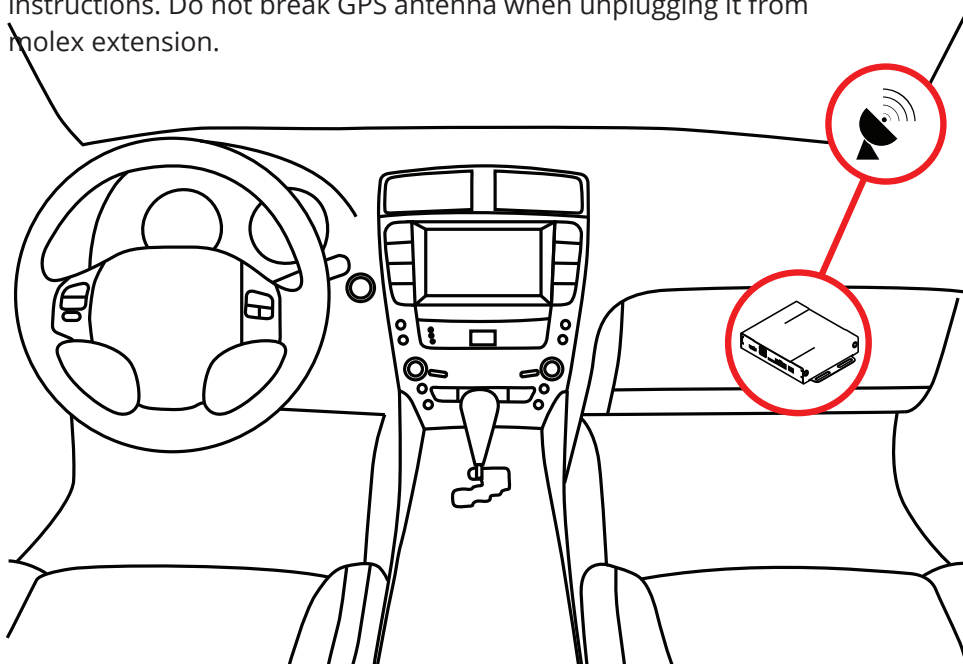
Routing the GPS antenna

The GPS Antenna module is magnetic as well as supplied with double sided tape.

It can be mounted to the top of dashboard or to outside of vehicle whichever you prefer. Route to desired location. We recommend mounting it inside of the vehicle on the passenger side of the dashboard, as shown below.

Plug GPS antenna into Camera AV port of VLine unit.

If you need to use VAUX RCA cable, carefully disconnect GPS antenna from small molex extension, and plug VAUX cable instead, per the instructions. Do not break GPS antenna when unplugging it from molex extension.



Testing VLine Operation

Test VLine operation before mounting the dashboard back.

WARNING: Make sure to reconnect all unplugged connectors back to the vehicle before cycling the ignition. Cycle the ignition and press MEDIA button to enter AUX mode to enter VLine mode.

If VLine appears on the screen, and all factory functions such as climate controls, reverse camera, AF/FM stereo, are working, you can mount the dash board back.

Installation Troubleshooting

1. There is no VLine on the display, or the display is black.

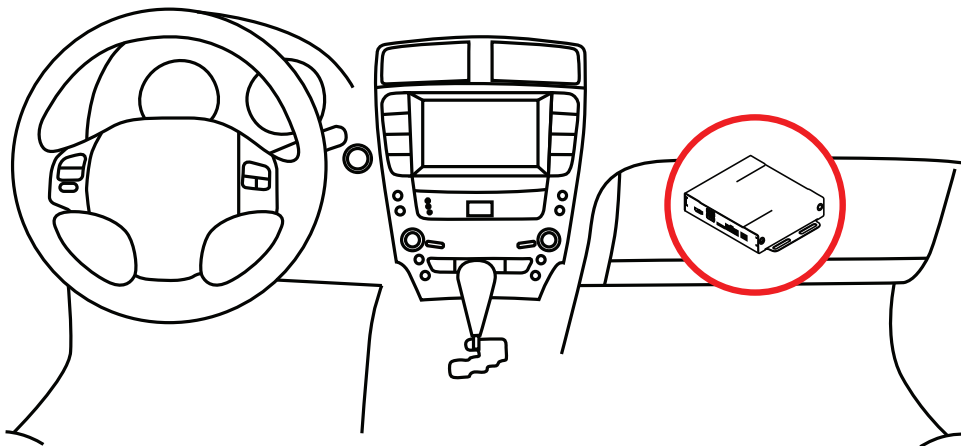
Check the GVMF cable to ensure you connected it at the back of the LCD display, and not at the back of the stereo. Make sure you reconnected the originally connected display cable back to the VLine GVMF female end.

2. The display is “flashing” or “flickering”.

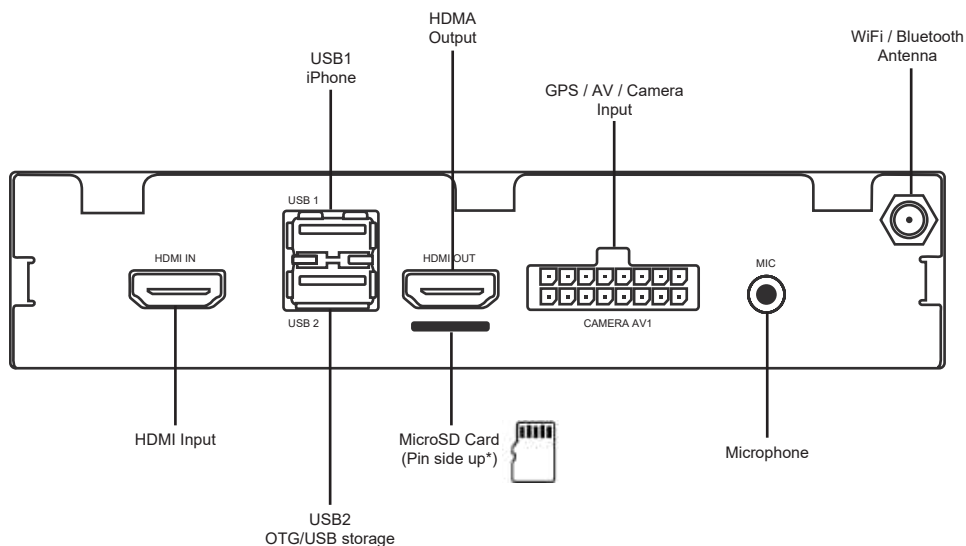
Make sure there are no hard bends in the GVMF video cable, and it is installed away from the metal parts in the vehicle. Try to re-route the GVMF cable.

Mounting the VLine Module

Mount the VLine main module in an easily accessible location, such as the glove compartment, for easy access to the USB ports and to upgrade firmware on the VLine module. **Do not leave the unit inside the dashboard**, as it can damage the unit and its Bluetooth antenna and affect the Bluetooth / Wifi reception.



Understanding VLine ports



USB1

iPhone connection

Any other USB device (Keyboard / Mouse)

USB2

USB flash drive

Any USB device (Android, Keyboard / Mouse)

MicroSD

Insert microSD card (*pin side up) to increase storage space for Vline (up to 128GB supported). The microSD should be formatted FAT32. File system format exFAT and NTFS are not supported.



Pin Side Up

HDMI IN

HDMI input connection to connect external video sources.
(add plugin to Dashling Launcher to use feature)

HDMI OUT

HDMI Output connection to connect external displays. The HDMI Output will match the VLine's video feed and resolution, be sure your external display can handle those properly.

MIC

Microphone input, connect 3.5mm mono microphone.

CHAPTER 2 — GETTING STARTED

2.1 Initializing

After connecting the VLine module to the stereo, an ignition cycle will have to be performed for the stereo to discover Vline and allow Vline to self configure.

To INITIALIZE:

1. Put ignition switch to “ACC” or “ON” position
2. Wait up to 5 seconds
3. Put ignition switch to OFF”position
4. Wait 1 minute
5. Turn ignition switch back to ACC”or ON”position
6. Press the MEDIA button and enter AUX mode of the stereo, to get to VLine mode.

IMPORTANT STEPS TO PERFORM AFTER THE INSTALLATION!

Turning OFF Auto Screen Change in Factory Settings

In order for VLINE mode to function properly, the “Auto Screen Change” option in the Lexus infotainment system needs to be turned “OFF”.

If this function is not turned off, while using VLine the image will switch automatically to factory GUI screens on its own after 10-15 seconds have passed.

To turn this function OFF:

1. Press MENU button > then go into SETUP > select GENERAL
2. Scroll down until you see option line AUTO SCREEN CHANGE.
3. Select OFF for AUTO SCREEN CHANGE. Make sure to hit SAVE.

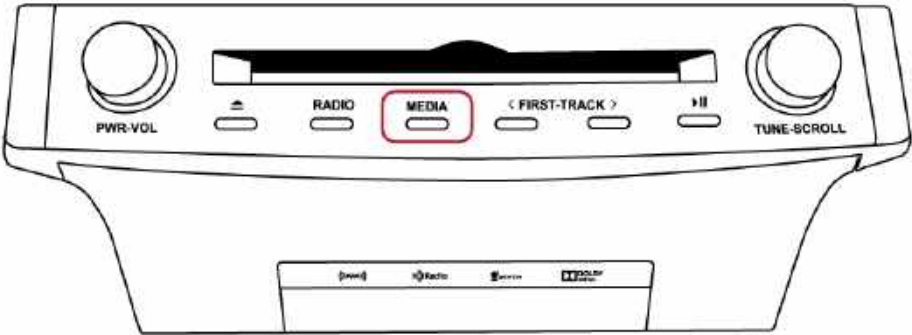
2.2 Functions

The GROM VLINE emulates the factory AUX mode of the stereo.

No factory functions of the stereo will be disabled. Factory Bluetooth, Navigation, Radio and CD player will remain functional.

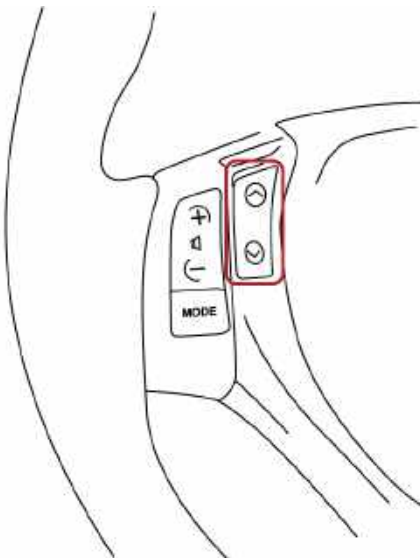
Selecting VLINE mode:

Press the MEDIA button and access the **AUX mode** of the stereo to enter into VLINE interface mode.



Track selection in VLINE Mode

Track selection can be done with the SEEK TRACK ^ and v buttons on the steering wheel controls. No track selection from the stereo is available.



Adjusting Audio Bass, Treble, Balance/Fade for VLINE Mode

Use the Factory UI icon to get to the factory UI and adjust sound settings. While in the VLine VL2 main screen, press on empty PLUS sign and go to Shortcuts --> Factory UI. Press on the Factory UI to get the shortcut icon to the main VLine screen. Tap on the Factory UI icon, and the stereo will switch from the VLine interface into factory AUX interface. While in the factory AUX interface, you can adjust audio settings.

Press FM and then MEDIA --> AUX on the stereo to switch back into the VLine VL2 interface mode.

2.3 Android Auto

Android Auto is available wireless or via USB.

2.3.1 For USB connection: attach Android phone to one of the USB ports on VLine VL2. Download Android Auto app on your phone, grant all permissions and allow all notifications. Use Android Auto plugin on VLine to enter Android Auto. If you experience any problems connecting, try using different, shorter, higher quality USB cable.

See video: <http://bit.ly/vline-android-auto>

2.3.2 For wireless connection: on the VLine UI go to Settings --> Connected Devices --> Click on Bluetooth and on Pair New Device

1. Then go to the Bluetooth settings on your Android phone. Tap "Pair New Device" and wait for VLine2 to appear. Hit pair and check "Allow the access to your contacts and phone history".

2. On the VLine screen you will see exactly the same pop-up. Check allow the "access to your contacts and phone history" as well, and hit pair on both - VLine and your phone.

3. Go back to VLine UI main screen and hit Android Auto icon. At the bottom of the Android Auto settings you will see your phone listed. Tap on it to connect.

See video: https://bit.ly/wireless_aa

2.3.3 Android Auto phone calls

VLine does not support the phone calls on Android Auto. Use factory phone system to connect to the phone calls. Pair and connect your phone's Bluetooth to VLine for Audio/Media, and to factory Bluetooth for the phone calls. You can accept, reject or initiate phone calls on Android Auto screen.

User Manual

Please refer to the User Manual included with your purchase regarding to the next steps required to set up your VLine Infotainment System.

SUPPORT

For technical support please visit us at www.gromaudio.com/support.html and fill out the form. For live support, please go to www.gromaudio.com.

Please check our FAQ at www.gromaudio.com/support/faq.html, videos and installs at www.gromaudio.com/installs/index.html.

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- do not attempt to play video (such as YouTube) on a display while the vehicle is in motion;
- do not use GROM Product without running the engine for the extended period of time as it can drain the battery.

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maintaining competitive pricing. We continuously work to test and develop our product, however, in some cases; our interfaces may not be compatible with your application. Due to the wide range of electronics / anomalies found in car stereos, compatibility and/or controls may vary. Should you experience incompatibility issues, you may contact us via our support page. GROM Audio also carries a standard 30 day return policy.

ENGINE/SYSTEM NOISE DISCLAIMER

Engine / system noise may occur in some installations and is not easily predictable. Should noise occur with your system, we will take commercially-reasonable steps to diagnose the source of the noise. Depending on the situation, noise suppressors and filters may need to be installed in order to correct the problem. Due to the nature of electronics, noise may not be correctable in all cases.

IF YOU DO NOT AGREE WITH THESE TERMS AND PURCHASED DIRECTLY FROM GROM AUDIO PLEASE RETURN THE GROM PRODUCTS IN ORIGINAL CONDITION AND IN ORIGINAL PACKAGE WITHIN FIVE (5) BUSINESS DAYS OF RECEIPT OF THE PRODUCTS FOR A FULL REFUND OF THE PURCHASE PRICE OF GROM PRODUCTS (SHIPPING COSTS NON REFUNDABLE).

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