VAIS TECHNOLOGY

iVIC-5DR Android Mode Manual

iVIC

in Vehicle Infotainment Center

• LEXUS • TOYOTA •

ⓘ **IMPORTANT PLEASE READ!**

⚠ **WARNING**

Keep in mind, vehicle's navigation touch screen differs from your Android Device touch screen. Do NOT expect the same touch sensitivity, swipe option, or multi-touch capability (zoom in, zoom out, and etc).

Swipe option is NOT available for all compatible vehicle's models, use control arrow buttons to make your selections.

This product mirrors Android Device onto the vehicle's navigation screen. Features, options, and applications varies by Android Device manufacturers.

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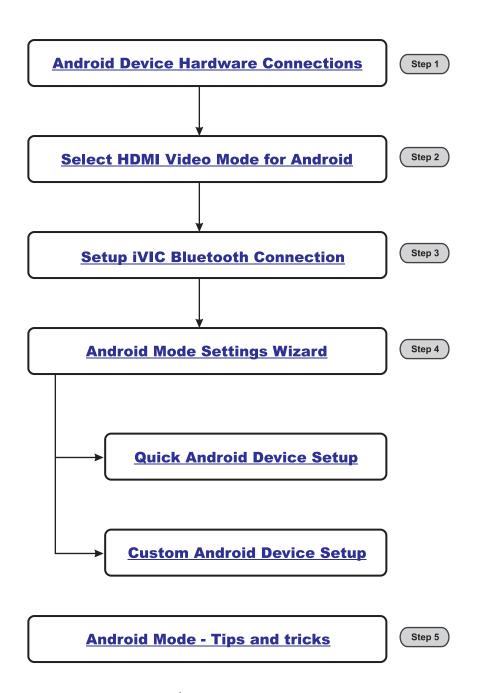
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IF YOU USE THIS PRODUCT IN YOUR VEHICLE, IT IS YOUR RESPONSIBILITY TO MAKE YOUR PASSENGERS AWARE OF THE ABOVE WARNING.

Android Device Setup Guide Steps

Android Device Hardware Connections   Step 1

Select HDMI Video Mode for Android   Step 2

Setup iVIC Bluetooth Connection   Step 3

Android Mode Settings Wizard   Step 4

Quick Android Device Setup

Custom Android Device Setup

Android Mode - Tips and tricks   Step 5

iVIC screen will be displayed when you start the car. If you turn your car off with iVIC Video Graphics Mode active, turning the car on will resume iVIC display.

Exception: If reverse gear was activated shortly after the vehicle start up, switching gear to DRIVE will activate MAP screen.

To activate Video Graphics Screen push [AUDIO] button.

VAIS Technology safety message is displayed for 5 seconds. After 5 seconds you can touch the screen to go to Video Graphics menu.

After 5 more seconds safety message will go off.

Touch the screen to get to the iVIC side "Source Menu".

Source Selection (Home Screen)

Touch [HOME SCREEN SETUP MODE] icon to enable or disable Sources.

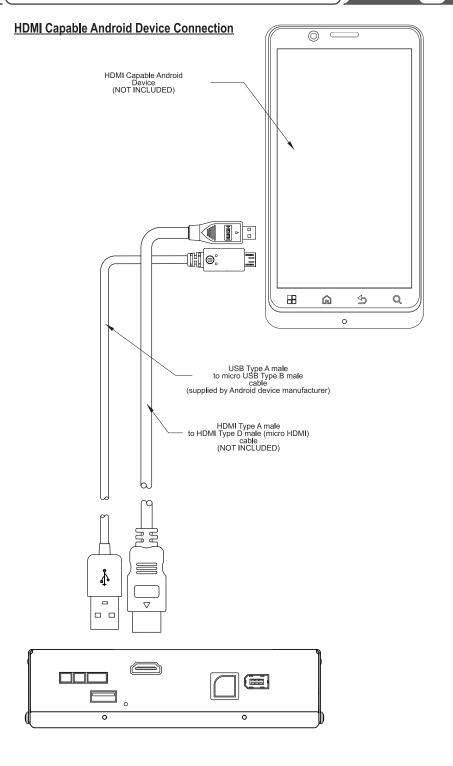Checkmark indicates current source

Android   HDMI Video   A/V 1   A/V 2   Factory Interface

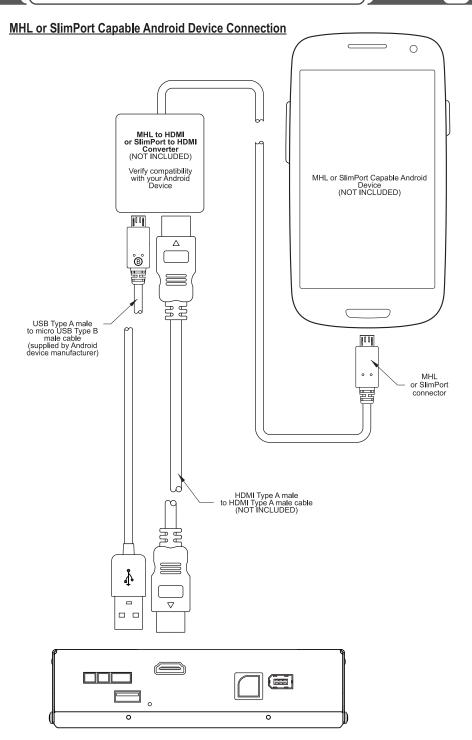**Switch to CD-MP3 emulation mode. To return back to iVIC Video Graphics mode (VG mode), select iVIC CD-MP3 source and press and hold SCAN button.**

Touch the icon to select desired source.

(i) How to check iVIC Software/Firmware version

Android   HDMI Video   A/V 1   A/V 2   Factory Interface

Push and release in 1sec to display software/firmware versions of iVIC. Push the same button to bring the Home screen back.

HDMI Capable Android Device Connection

HDMI Capable Android
Device
(NOT INCLUDED)

USB Type A male
to micro USB Type B male
cable
(supplied by Android device manufacturer)

HDMI Type A male
to HDMI Type D male (micro HDMI)
cable
(NOT INCLUDED)

MHL or SlimPort Capable Android Device Connection

**MHL to HDMI
or SlimPort to HDMI
Converter**
(NOT INCLUDED)

Verify compatibility
with your Android
Device

MHL or SlimPort Capable Android
Device
(NOT INCLUDED)

USB Type A male
to micro USB Type B
male cable
(supplied by Android
device manufacturer)

MHL
or SlimPort
connector

HDMI Type A male
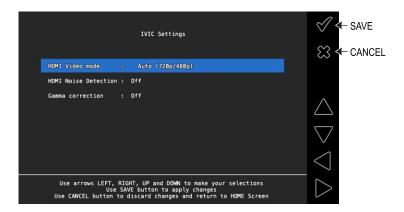to HDMI Type A male cable
(NOT INCLUDED)

⚠️ **HDMI Video Mode Settings used to select Digital Video Source Resolution. Available for "HDMI Video" and "Android" sources ONLY.**

HDMI Video Mode Selection (480p, 720p, Auto)

Touch [iVIC SETTINGS] icon to select HDMI Video Mode.

Android   HDMI Video   A/V 1   A/V 2   Factory Interface

← SAVE

← CANCEL

IVIC Settings

HDMI Video mode   :   Auto (720p/480p)
HDMI Noise Detection :   Off
Gamma correction   :   Off

Use arrows LEFT, RIGHT, UP and DOWN to make your selections
Use SAVE button to apply changes
Use CANCEL button to discard changes and return to HOME Screen

Three Options are available:

480p   Native mode. No vertical scaling used, may cause some gray/black area around actual image. Gray/Black areas depend on HDMI Video source connected. iVIC has no control over those areas. **Not supported by all Android Devices.**

720p   This mode uses both vertical and horizontal scaling.

AUTO   Depending on Video Source connected, iVIC switches between 720p and 480p,
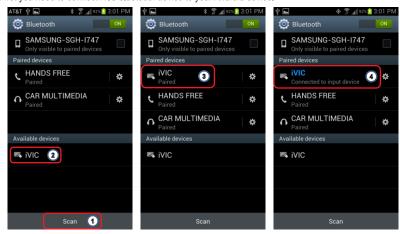**(720p/480p)**   720p being the first choice.

HDMI Noise Detection :

In case of unstable video signal/noise you will get blue screen if this feature is ON. Otherwise video noise will be visible on vehicle display.
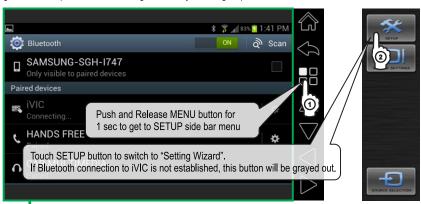
⚠ **Android device MUST BE connected to iVIC, device MUST BE ON, and screen "UNLOCKED" during setup process**
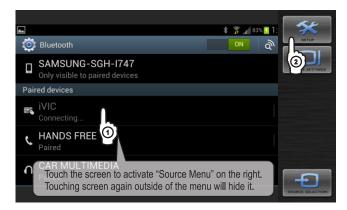
First you need to connect iVIC bluetooth device to your Android device.

If Android device connected to iVIC via HDMI/MHL and outputs compatible video signal, Android control bar on the right will show up. Proceed to Settings Wizard by following steps bellow.

Push and Release MENU button for 1 sec to get to SETUP side bar menu

Touch SETUP button to switch to "Setting Wizard".
If Bluetooth connection to iVIC is not established, this button will be grayed out.

This screen portion displayed by Android device

Touch the screen to activate "Source Menu" on the right. Touching screen again outside of the menu will hide it.

If Android device is not connected to iVIC via HDMI/MHL or DOES NOT output compatible video signal, you will get this screen.

Some phones require manual video output activation.

NEXT SCREEN / NEXT STEP
Use this button to go to the NEXT STEP.
In case of the mistake made in one of the steps, use this button to skip through all the steps, until you come back to desired step. In this case do not use SAVE or CANCEL buttons.

ORIENTATION
Use this button to go to switch between corners for Landscape or Portrait Layout Settings, and for Landscape or Portrait Layout Touch Settings.

CURSOR
Use cursor arrows for Menu selection or for adjustments in Settings Wizard.

SAVE
Use this to save changes.

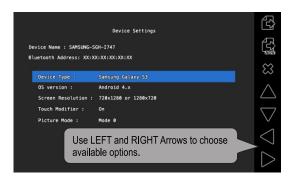**CANCEL**
Use this to cancel changes.

Quick Android Device Setup

Custom Android Device Setup

⚠ Attention ! **Overscan Settings:**
If your Android device has HDMI Overscan feature you need to proceed to Custom Android Device Setup. (Overscan option has been seen on some Motorola phone models.)

Device Settings

Device Name : SAMSUNG-SGH-I747
Bluetooth Address: XX:XX:XX:XX:XX:XX

Device Type :   Samsung Galaxy S3
OS version :   Android 4.x
Screen Resolution :   720x1280 or 1280x720
Touch Modifier :   On
Picture Mode :   Mode 0

Use LEFT and RIGHT Arrows to choose available options.

⚠   If your Android Device is available in the device type list, select it and proceed to the end of Settings Wizard by pressing NEXT without making any changes to the custom settings.
Press SAVE to apply your device selection.
Pay attention in steps (3,4,6 and 7) to verify that "White" Frame fits Android Device screen visible area. Make adjustments if necessary.

STEP 3. [A] – Touch "NEXT" if "White" Frame adjustment is not required.
"NEXT" will skip to STEP 5.
Adjust Top/Left Corner and Touch "ORIENTATION" [B] to proceed to STEP 4.

STEP 4

STEP 5

STEP 6. [A] – Touch "NEXT" if "White" Frame adjustment is not required.
"NEXT" will skip to STEP 8.
Adjust Top/Left Corner and Touch "ORIENTATION" [B] to proceed to STEP 7.

STEP 7

STEP 8

⚠ Read Tips and Tricks section. Verify your settings. If you are not satisfied with a touch/mouse accuracy, proceed to the custom settings.

Make No Changes

Make No Changes

Make No Changes

Use LEFT and RIGHT Arrows to choose available options.

Device Type:
Select your Android device if available in the list, otherwise select "Custom" device.
NOTE: By selecting different device from current will erase custom settings for your device.
Cancel will exit settings without saving.

OS version:
Check your Android device OS version (needed to select proper Keyboard Layout)

Touch modifier:
If Android device OS version is 4.0 and above, we recommend to turn it ON.
Some devices do not require this feature to be ON, turn it OFF if you experience awkward touch behavior.
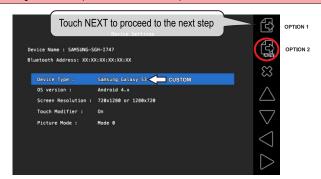
Picture mode:
Mode 0 - no color correction
Mode 1 and Mode 2 - enhanced color correction. (Clearly visible on some applications, such as Google Maps in close zoom). May not be necessary for all Android device models

⚠️ If your Android Device is NOT available in the device type list you have two options.
Option 1: select "CUSTOM" and select screen resolution, and then touch "NEXT".
(skips Touch Resolution Adjustment).
Option 2: select "CUSTOM" and select "custom" screen resolution, and then touch "NEXT ADV" to proceed with every step of the Settings Wizard to make the appropriate setup.
If you are NOT satisfied with our settings for available device type, you can make changes in Settings Wizard and press save at the last step.

Touch NEXT to proceed to the next step

OPTION 1

OPTION 2

⚠️ Attention ! **Overscan Settings:**
If your Android device has HDMI Overscan feature (has been seen on some Motorola phone models) you need to adjust Overscan settings for the best possible screen fit prior to Top/Left and Bottom/Right corner borders adjustment in Landscape mode (refer to the next page).

⚠️ **Carefully follow the steps in the SETUP WIZARD, to establish TOP/LEFT and BOTTOM/RIGHT corner borders in LANDSCAPE mode**


```
Landscape Layout Settings

Please use buttons LEFT, RIGHT, UP, DOWN
to establish visible area boarders of the connected device screen.

Use ORIENTATION button to select
Top/Left corner and Bottom/Right corner setup.

Press NEXT button to switch
to the next settings screen.

Press CANCEL button to discard changes
and return to main menu.

!!! Make sure connected device is in LANDSCAPE orientation !!!
```

Please read and follow these Instructions before proceeding to step below.

"White" Frame around Android device screen sets the borders.
1. First adjust Top/Left corner of the white frame to match Top/Left corner of Android device screen visible area.
A. Use CURSOR Arrows to make adjustments.
B. Use ORIENTATION button to switch to 2 Bottom/Right corner adjustments.

2. Adjust Bottom/Right corner of the white frame to match Bottom/Right corner of Android device screen visible area.
C. Use CURSOR Arrows to make adjustments.
D. When satisfied with selected area use NEXT to proceed to next step.

⚠️ **Carefully follow the steps in the SETUP WIZARD, to establish HORIZONTAL TOUCH Screen Resolution in LANDSCAPE mode.**


```
Landscape Layout Touch Settings

Please use LEFT/RIGHT and UP/DOWN buttons
to move the cursor.

!!! Track cursor movement on the connected device screen !!!

Use ORIENTATION button to select
Horizontal and Vertical Touch setup.

Press NEXT button to switch
to the next settings screen.

Press CANCEL button to discard changes
and return to main menu.

!!! Make sure connected device is in LANDSCAPE orientation !!!
```

Please read and follow these Instructions before proceeding to step below.

(1) This step will adjust Horizontal Touch Resolution. Mouse cursor will run from left to right.

(A) Push and hold RIGHT cursor arrow to move mouse cursor in horizontal direction. Single touches are acceptable. **MAY TAKE UP TO 5 minutes. Monitor cursor movement on your Android device screen.** We recommend to slow down when approaching the edge of the Android device screen and use single clicks on RIGHT cursor arrow.
Stop when reached the edge (2) of Android device screen.
(If went beyond the visible area of Android screen, push ORIENTATION button to switch to vertical Touch setup and push it again to switch back to horizontal to start over.)

(B) Use ORIENTATION button to go to Vertical Touch Resolution adjustment.

⚠ **Carefully follow the steps in the SETUP WIZARD, to establish VERTICAL TOUCH Screen Resolution in LANDSCAPE mode.**

Some Android devices do not support Portrait Mode, when recognize HDMI/MHL connection. In this case skip to "Finalize Settings" and save your changes.

③ This step will adjust Vertical Touch Resolution. Mouse cursor will run from left to right.
ⓒ Push and hold DOWN cursor arrow to move mouse cursor in Vertical direction. Single touches are acceptable. **Monitor cursor movement on your Android device screen.** We recommend to slow down when approaching the edge of the Android device screen and use single clicks on RIGHT cursor arrow. Stop when reached the edge ④ of Android device screen.
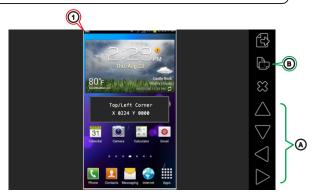ⓓ When satisfied with selected area use NEXT to proceed to next step.

⚠ **Carefully follow the steps in the SETUP WIZARD, to establish TOP/LEFT and BOTTOM/RIGHT corner borders in PORTRAIT mode**

```
                    Portrait Layout Settings

                  Please use buttons LEFT, RIGHT, UP, DOWN
        to establish visible area boarders of the connected device screen.

                    Use ORIENTATION button to select
              Top/Left corner and Bottom/Right corner setup.

                    Press NEXT button to switch
                    to the next settings screen.

                Press CANCEL button to discard changes
                      and return to main menu.

        !!! Make sure connected device is in PORTRAIT orientation !!!
```

Please read and follow these Instructions before proceeding to step below.
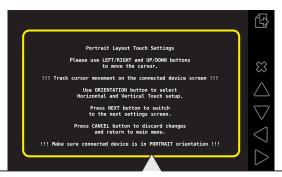
"White" Frame around Android device screen sets the borders.

① First adjust Top/Left corner of the white frame to match Top/Left corner of Android device screen visible area.

Ⓐ Use CURSOR Arrows to make adjustments.

Ⓑ Use ORIENTATION button to switch to ② Bottom/Right corner adjustments.

② Adjust Bottom/Right corner of the white frame to match Bottom/Right corner of Android device screen visible area.

Ⓒ Use CURSOR Arrows to make adjustments.

Ⓓ When satisfied with selected area use NEXT to proceed to next step.

⚠️ **Carefully follow the steps in the SETUP WIZARD, to establish HORIZONTAL TOUCH Screen Resolution in PORTRAIT mode**

```
              Portrait Layout Touch Settings

          Please use LEFT/RIGHT and UP/DOWN buttons
                      to move the cursor.

    !!! Track cursor movement on the connected device screen !!!

              Use ORIENTATION button to select
             Horizontal and Vertical Touch setup.

                  Press NEXT button to switch
                  to the next settings screen.

             Press CANCEL button to discard changes
                    and return to main menu.

    !!! Make sure connected device is in PORTRAIT orientation !!!
```

Please read and follow these Instructions before proceeding to step below.

① This step will adjust Horizontal Touch Resolution. Mouse cursor will run from left to right.
Ⓐ Push and hold RIGHT cursor arrow to move mouse cursor in horizontal direction. Single touches are acceptable. **MAY TAKE UP TO 5 minutes. Monitor cursor movement on your Android device screen.** Stop when reached the edge ② of Android device screen.
(If went beyond the visible area of Android screen, push ORIENTATION button to switch to vertical Touch setup and push it again to switch back to horizontal to start over.)
Ⓑ Use ORIENTATION button to go to Vertical Touch Resolution adjustment.
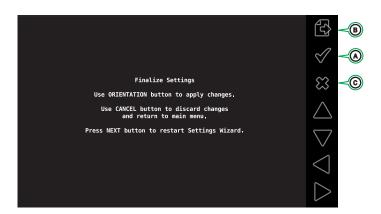
⚠ **Carefully follow the steps in the SETUP WIZARD, to establish VERTICAL TOUCH Screen Resolution in PORTRAIT mode**

③ This step will adjust Vertical Touch Resolution. Mouse cursor will run from left to right.

ⓒ Push and hold DOWN cursor arrow to move mouse cursor in Vertical direction. Single touches are acceptable. **Monitor cursor movement on your Android device screen.**
Stop when reached the edge ④ of Android device screen.

ⓓ When satisfied with selected area use NEXT to proceed to next step.

```
                    Finalize Settings

        Use ORIENTATION button to apply changes.

        Use CANCEL button to discard changes
                and return to main menu.

    Press NEXT button to restart Settings Wizard.
```

Ⓐ   Use SAVE button to apply the changes made in Settings Wizard.

Ⓑ   To go back to Settings Wizard first step, use NEXT button.

Ⓒ   To disregard all changes made in Settings Wizard use CANCEL button.

How To Hide/Show Side Menu

Push in Upper Left corner of the screen to hide/show side bar menu.

Mouse/Touch Positioning RESET

⚠ Use "Hide/Show Side Menu" feature to reset mouse cursor in the event it's not functioning properly.

Android Device Mouse Pointer Position

Actual Touch Position

Screen Orientation and Touch mode

Android device may output its display in either portrait or landscape mode. iVIC expects the display to be landscape. Use the feature bellow to switch to appropriate touch mode to match your Android device output.

Touch mode indicator
(Horizontal line - Landscape)

← BACK

Touch mode indicator
(Vertical line - Portrait)

⚠️ Push and release BACK button for at least 1 sec to select the right touch mode for your PORTRAIT or LANDSCAPE operation.
Portrait mode is not highly recommended unless application does not support landscape mode.
We recommend to use third party Applications (such as "Rotation Locker" or "Ultimate Rotation Control") to force and lock landscape mode.

×2

Use side bar menu OFF/ ON feature to reset mouse cursor in the event it's not functioning properly.

Manual Bluetooth Reconnect

In case iVIC is not connected or was disconnected from your Android Device simply touch Bluetooth re-connect button once to re-connect to Last Known Bluetooth Device.

ⓘ **IMPORTANT** PLEASE READ!

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