Instructions on steering wheel support

(Version 3.8)

1. Advantages

Supported wheels：

Logitech G29/Logitech G27/ Logitech G25/ Logitech Driving Force GT/Logitech Driving Force Pro/ Thrustmaster T300 RS

Support steering wheels on popular game consoles: PS4 /XBOX ONE/XBOX 360

Real Force Feedback

Vibrations from different road surfaces, rumble strips, bumps and so on

Support clutch

Support manual gear: H-pattern(6+1)shift or Sequential(+/-) shift

Support automatic Gear

Support RPM/Shift indicator LED

All major key functions are set and ready for use (Keys can also be remapped)

Wheel angle adjustable

No delay or lag

Firmware upgradable

Online support community

2. Usage

Below are some steps you should follow to use steering wheel with Cross Hair correctly.

1. Make sure there is no peripheral plugged into Cross Hair.
   Then connect Cross Hair to PC, using the USB cable included in the package.
   The LOGO should be white.
2. Download "Cross Hair ManagerV1.73.5" or later version,
   Extract the zip file and run the Manager. (Windows Only)
   Please upgrade the firmware, if the Manager notifies you.
3. Choose your console and add a game in it.
   *For example, we choose **PS4** and **DriveClub** here and set DriveClub as the startup configuration.*
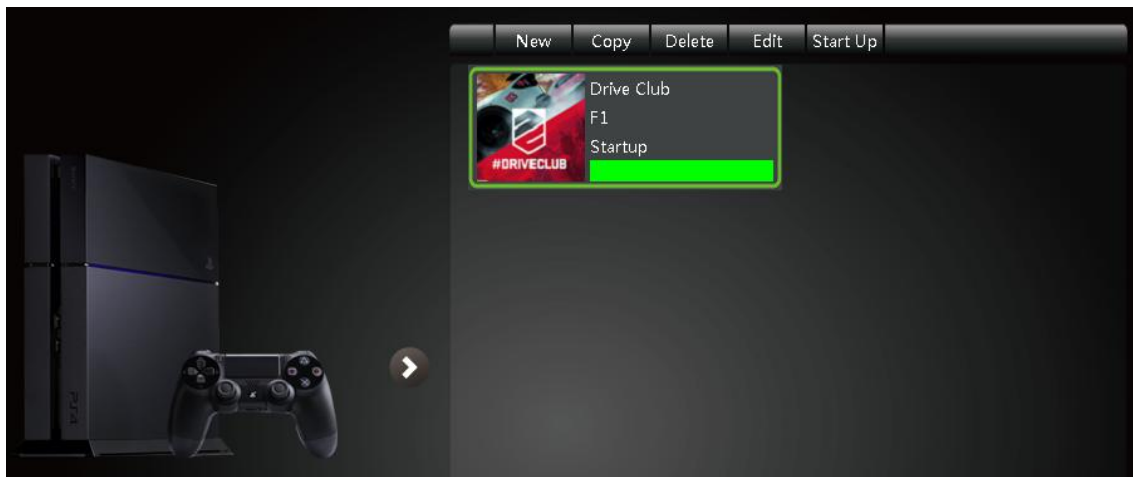
Choose a wheel you are going to use, such as Logitech G27

These games are tested:

PS4: DriveClub(E), Project Cars(E), Project Cars 2(E), Sebastien Loeb Rally Evo(E), Dirt Rally(E), Dirt 4(E), Assetto Corsa(E), F1 2015(E), F1 2016(E), F1 2017(E), WRC5(E), WRC6(E), GT Sport(E),

Need for Speed: Rivals(L), Need for Speed 19(L),

XBOX ONE: Forza 5(L), Forza 6(L), Need for Speed 19(L), Project Cars(L), Dirt Rally(L), Forza Horizon 2(L)，Forza Horizon 3(L)

XBOX 360: Need for Speed: Hot Pursuit(L)

E: Expert Mode,   L: Legacy Mode,

In Expert Mode, your wheel will work as a real wheel, which can be recognized by the console.

In Legacy Mode, your wheel will work as a controller, and it will also be treated as a controller by the console.

So Legacy Mode will not provide the same support as Expert Mode, please kindly note that!

These wheels are supported:

Logitech G29 (PS4 Mode)
Logitech G27
Logitech G25
Logitech Driving Force GT
Logitech Driving Force Pro
Thrustmaster T300 RS (PS4 Mode)

If there is more than one game configuration, please always remember to choose one as "start up"

4. Save and close the Manager. Detach Cross Hair from PC.

5. Firstly, connect the original controller (USB PORT1) and the wheel (USB PORT2 or 3) to Cross Hair, and then connect Cross Hair to console. A breathing color means it's working well.

6. Please remember to activate the configuration of your game before playing, if there are several configurations in Cross Hair.

● **For PS4 users, please do remember to log out all the users and turn off the controller before connecting.**

After Cross Hair is powered on, it will turn the controller on automatically. Do not turn the controller off when LOGO of Cross Hair is breathing.

● **If you installed your racing game from a CD/DVD, please do upgrade your game to the latest version online, or it might not support wheels.**

● If you have several game configurations in Cross Hair, you can connect one more keyboard or mouse to the spare USB port of Cross Hair, and use them for switching configurations.
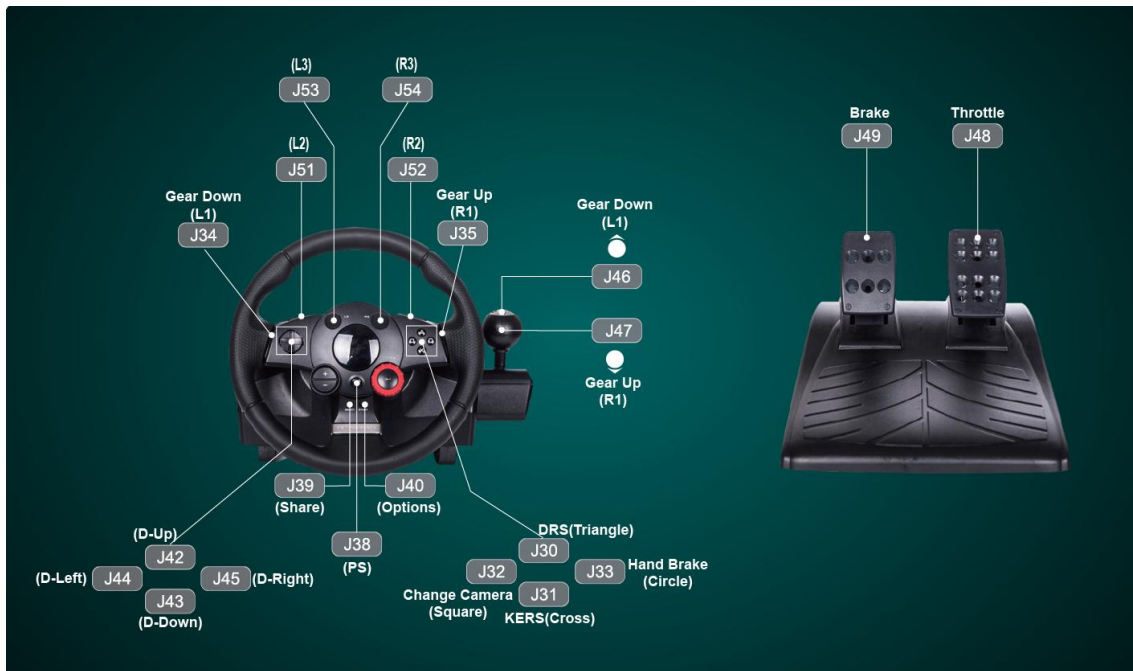
Or you can use the spare keys on steering wheel for switching configurations.

● Controller must not be in the wireless mode. You can judge that by its indication color (PS4 platform).

● During the power-on procedure, do not press the PS/GUIDE button on contorller, unless LOGO of Cross Hair is breathing.

● Controller must be the official one.

● Wireless controller of XBOX 360 can not be used as wired controller with a USB cable connected on it.

For the USB port on this controller can only be used for charging, no data lines in this port.

While all other wireless controllers can be used as wired ones with a USB cable connected, such as controllers of PS4, PS3, XBOX ONE.
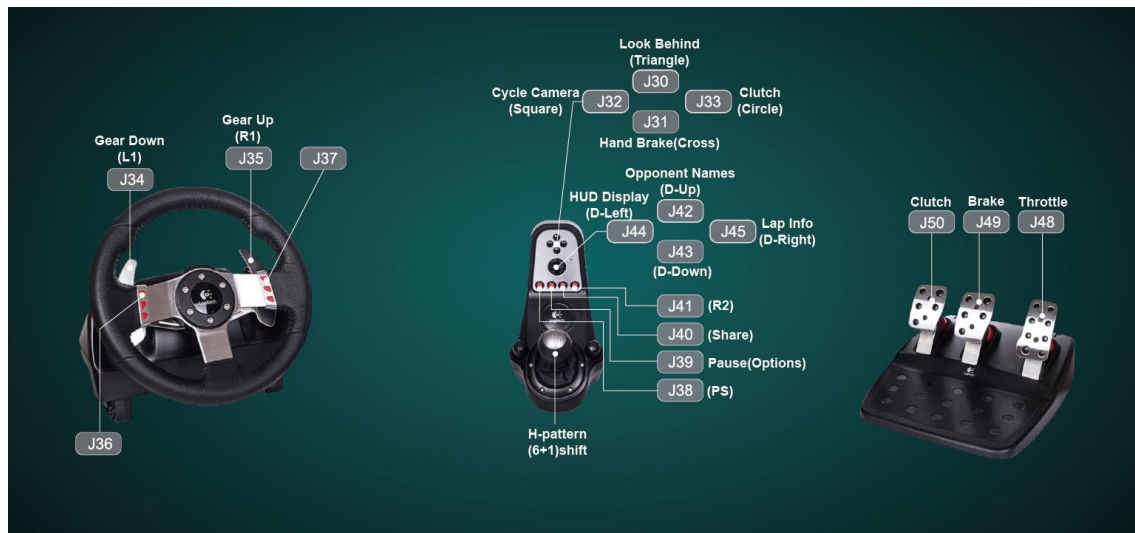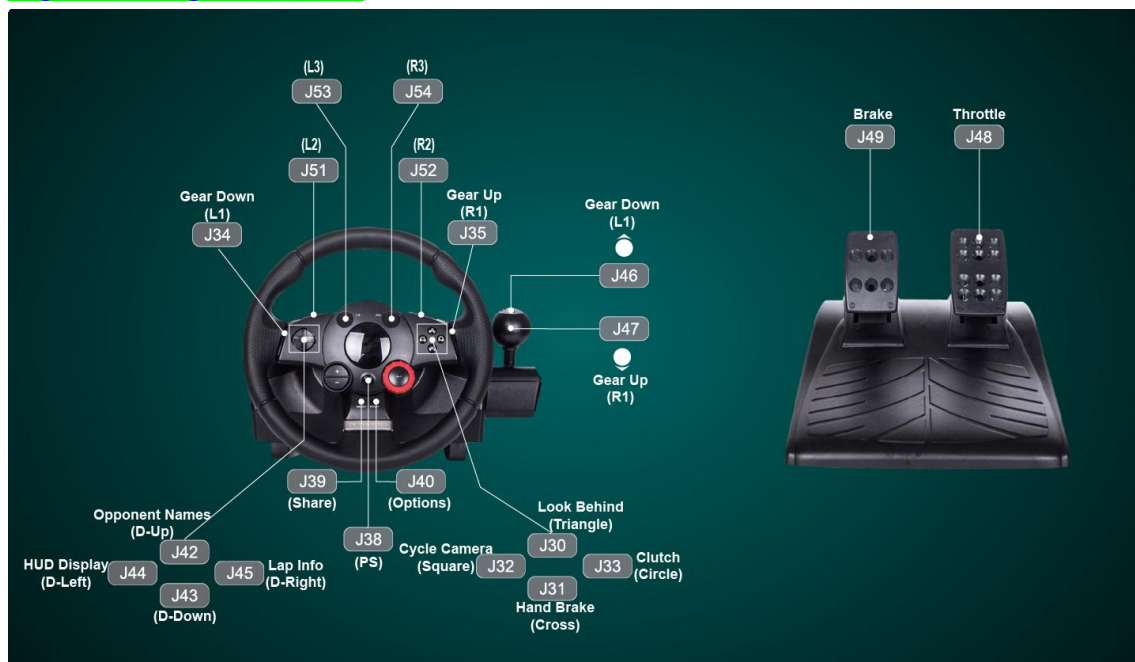
3. Default Key mapping

Logitech G25/G27

Gear Down (L1) J34
Gear Up (R1) J35 J37
J36

DRS(Triangle) J30
Change Camera (Square) J32 J33 Hand Brake (Circle)
J31
KERS(Cross)

(D-Up)
(D-Left) J42
J44 J45 (D-Right)
J43
(D-Down)

J41 Look Back(R2)
J40 (Share)
J39 (Options)
J38 (PS)

H-pattern (6+1)shift

Clutch J50 Brake J49 Throttle J48

Logitech Driving Force GT/Pro

(L3) J53 (R3) J54
(L2) J51 (R2) J52
Gear Down (L1) J34 Gear Up (R1) J35

Gear Down (L1)
J46
J47
Gear Up (R1)

Brake J49 Throttle J48

J39 (Share) J40 (Options)
J38 (PS)

(D-Up)
J42
(D-Left) J44 J45 (D-Right)
J43
(D-Down)

DRS(Triangle) J30
J32 J33 Hand Brake (Circle)
Change Camera (Square) J31
KERS(Cross)

● Parameters of steering wheel can be changed in game.

Logitech G25/G27

Logitech Driving Force GT/Pro

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Logitech G25/G27

Logitech Driving Force GT/Pro

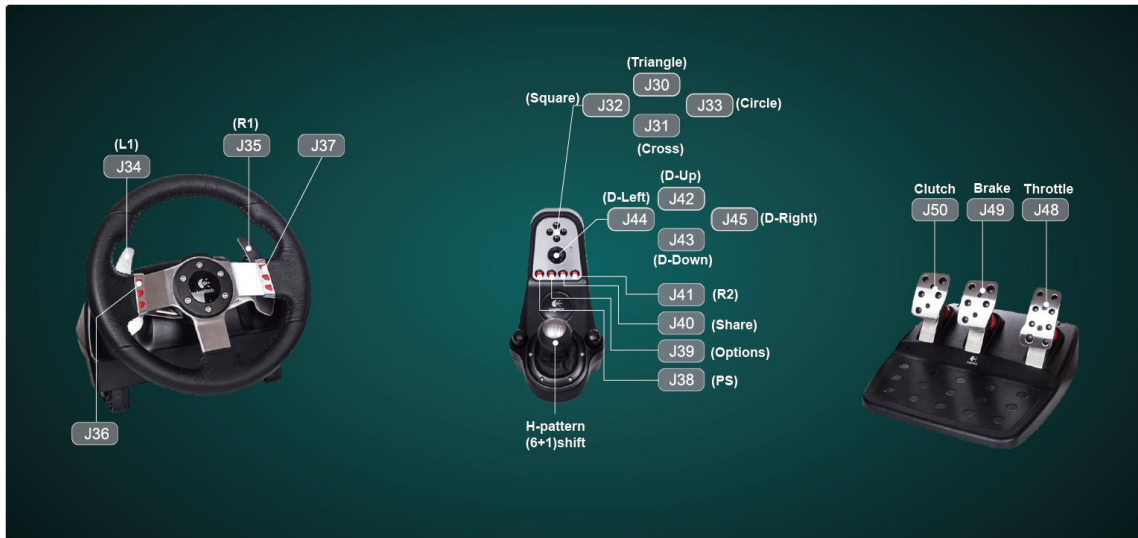● Parameters of steering wheel can be changed in game.

Logitech G25/G27

Logitech Driving Force GT/Pro

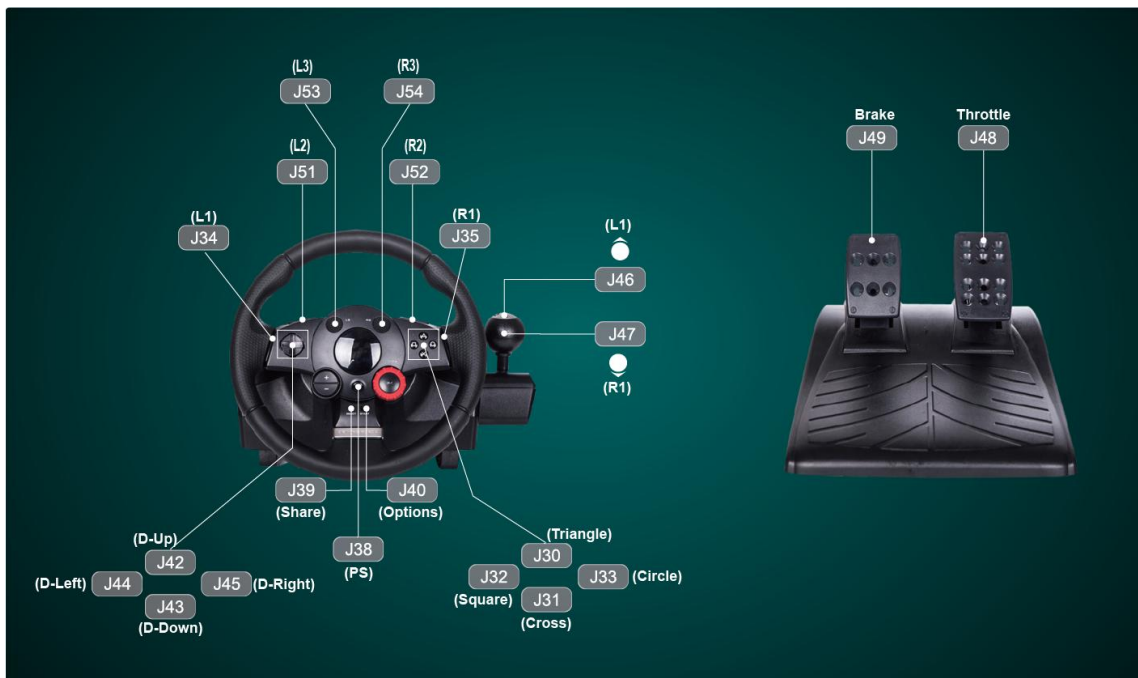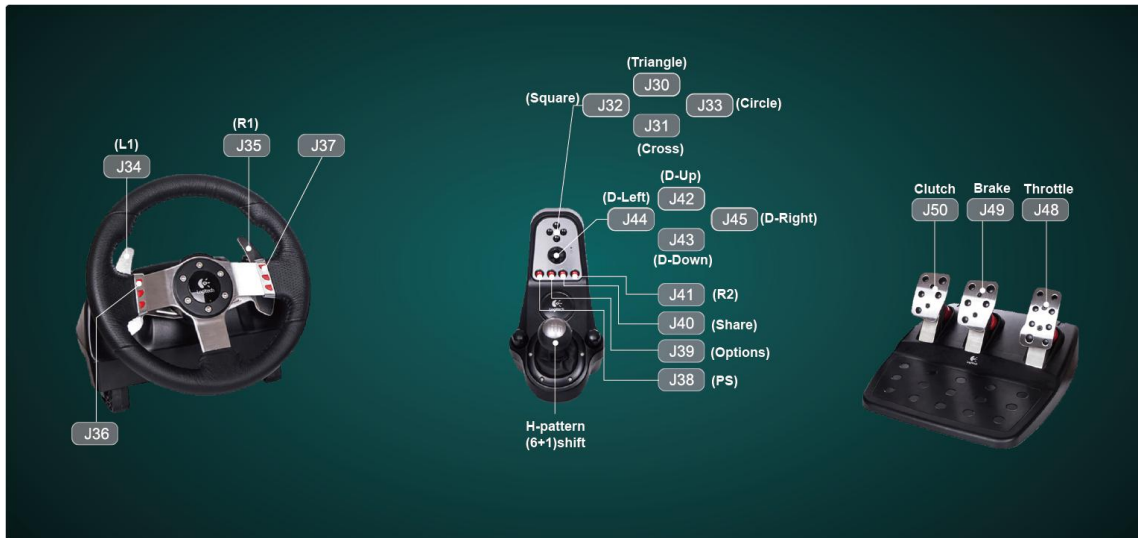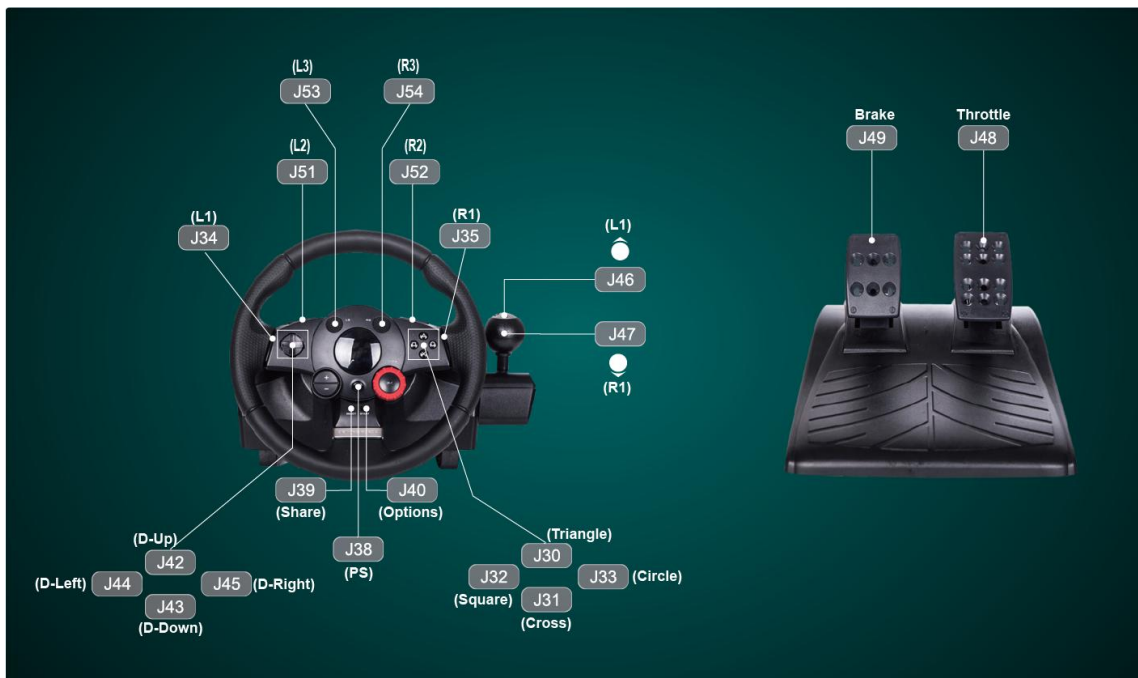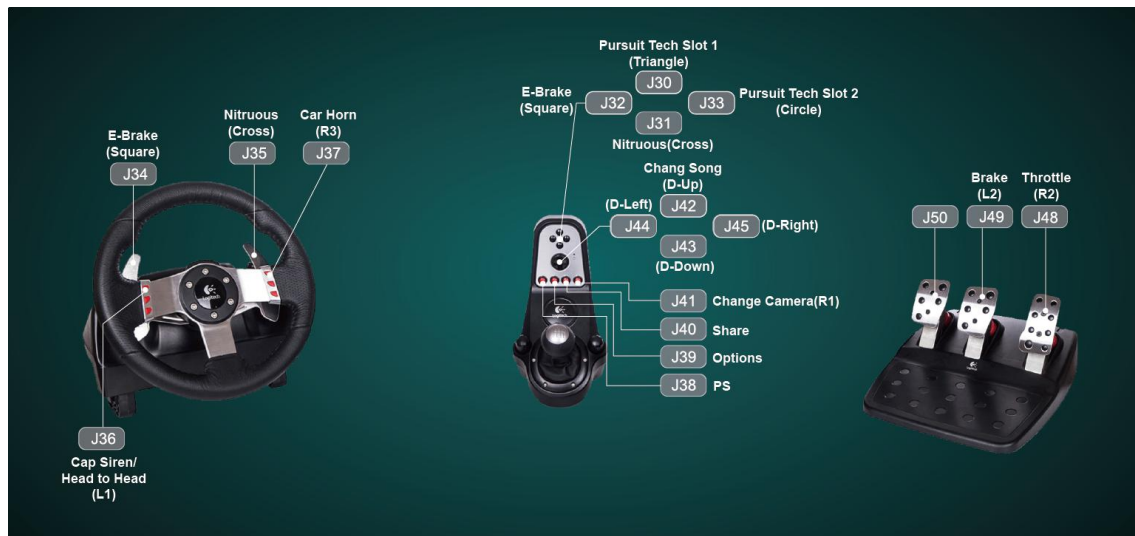● Parameters of steering wheel can be changed in game.

Logitech G25/G27

Logitech Driving Force GT/Pro

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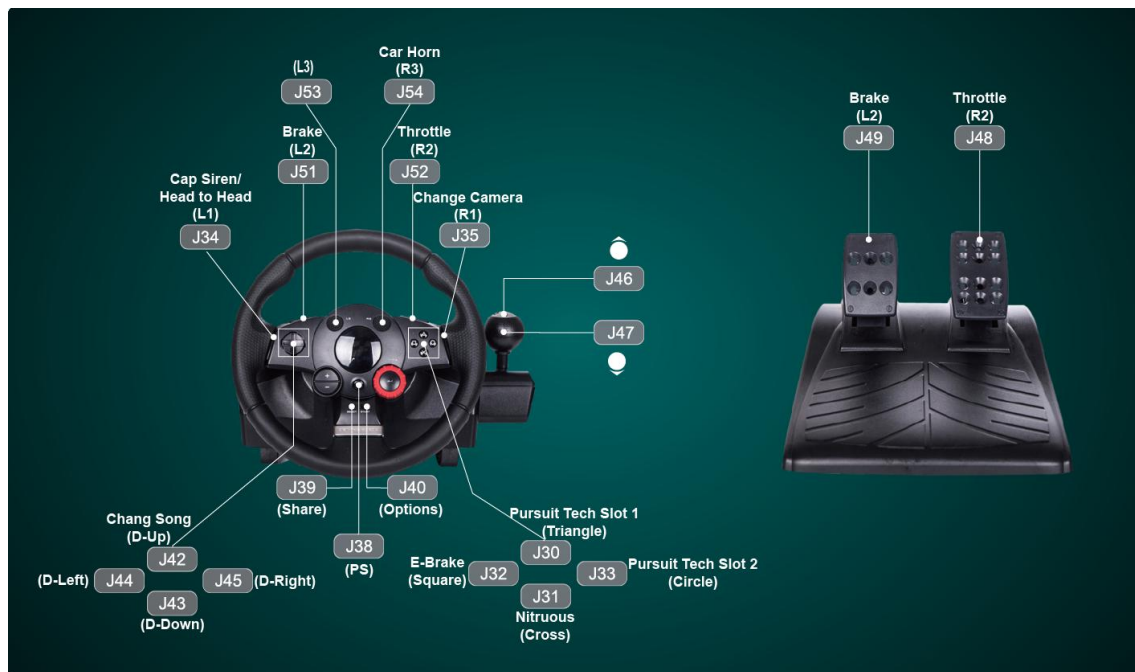
Logitech G25/G27

Logitech Driving Force GT/Pro

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Logitech G25/G27

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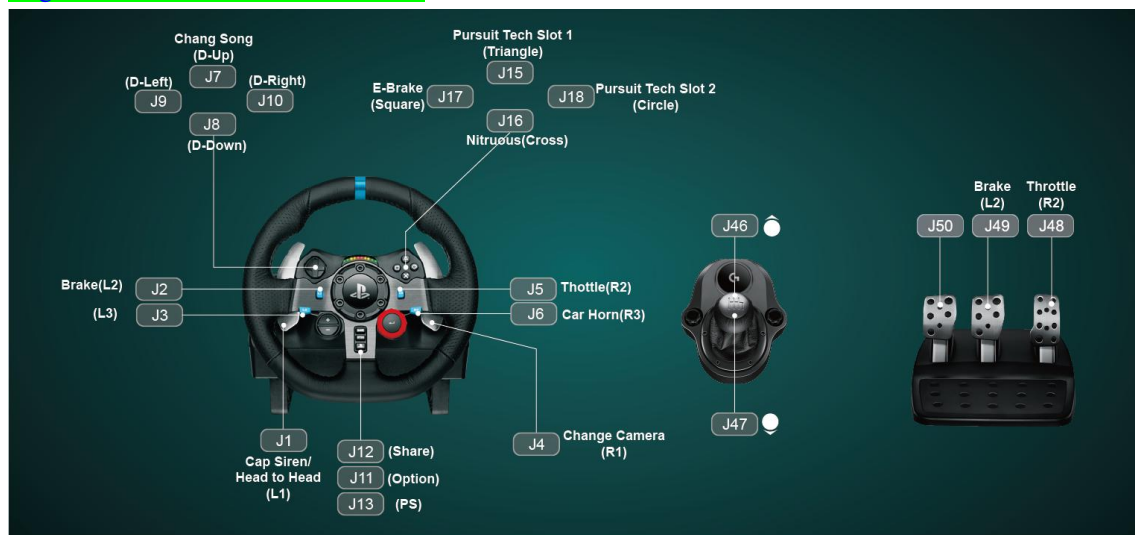● Parameters of steering wheel can be changed in game.

Logitech G25/G27

Logitech Driving Force GT/Pro
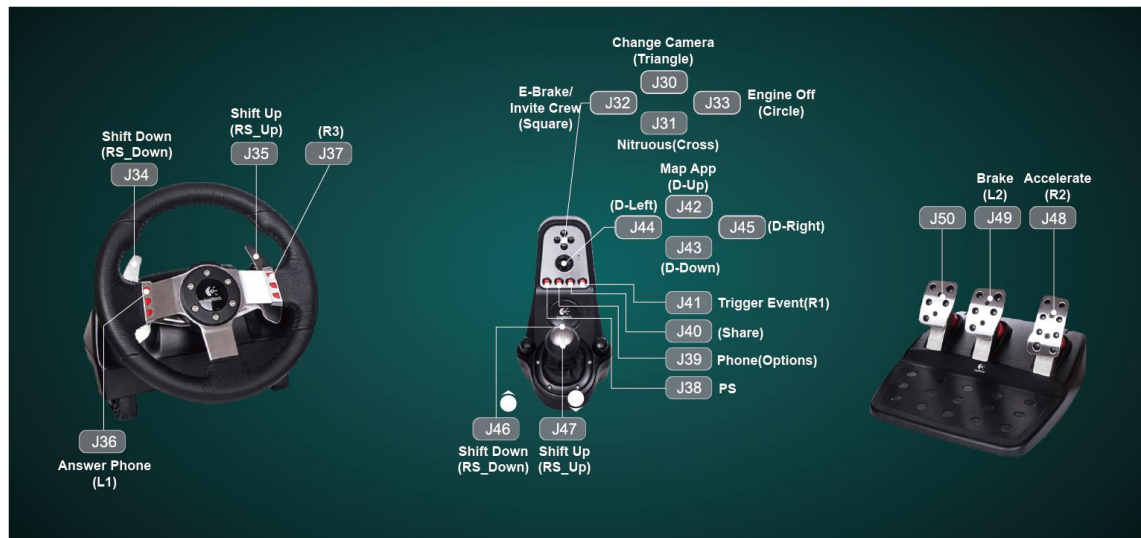

Logitech G29/ Thrustmaster T300RS

● Parameters of steering wheel can be changed according to chapter 4 of this manual.

Logitech G25/G27

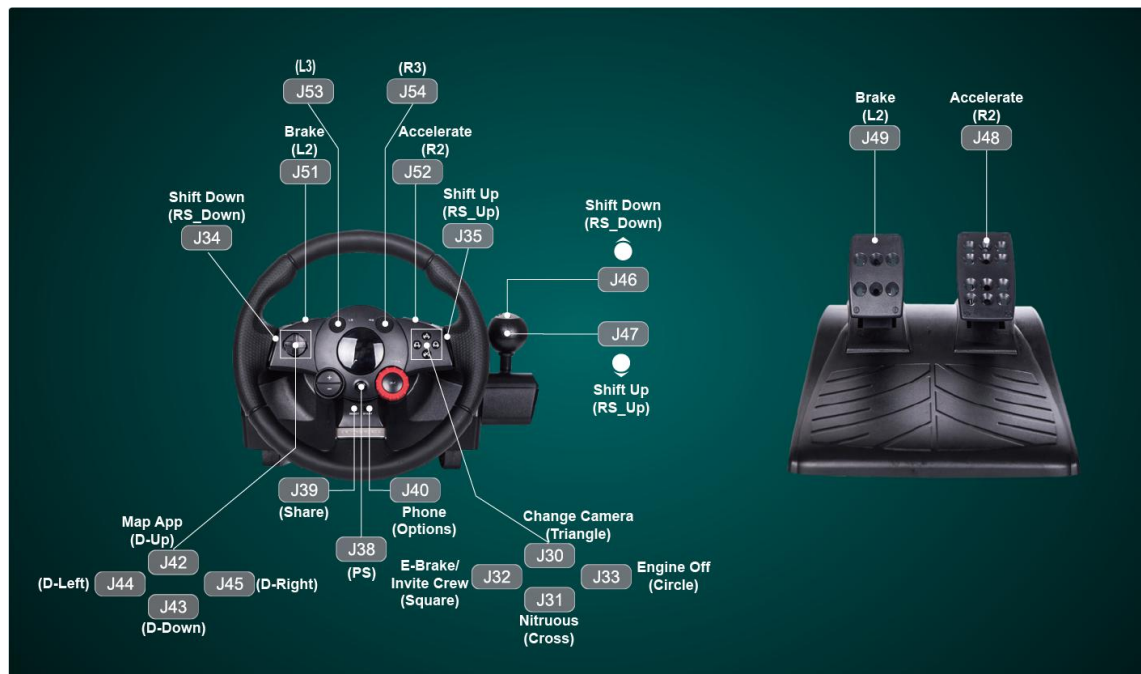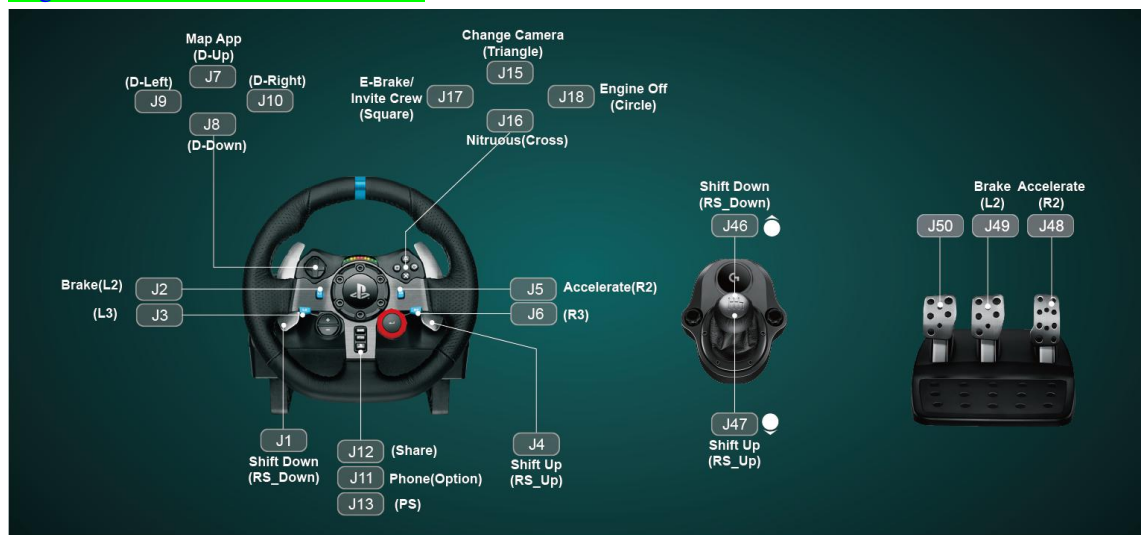Logitech Driving Force GT/Pro

Logitech G29/ Thrustmaster T300RS

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XBOX ONE: Forza 6 (L) Kepmapping:

Logitech G25/G27
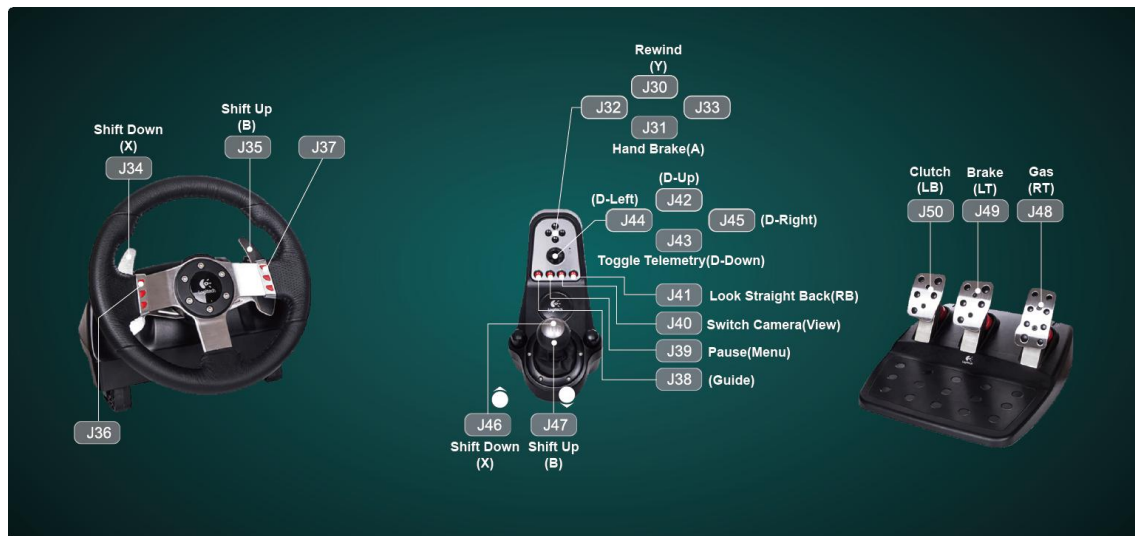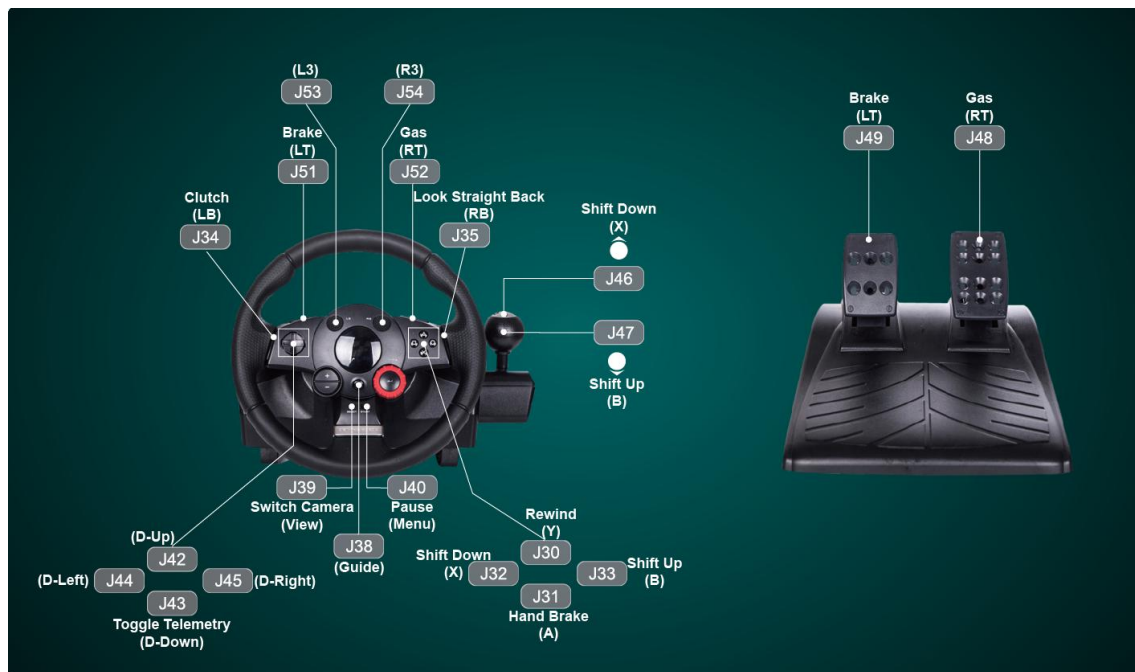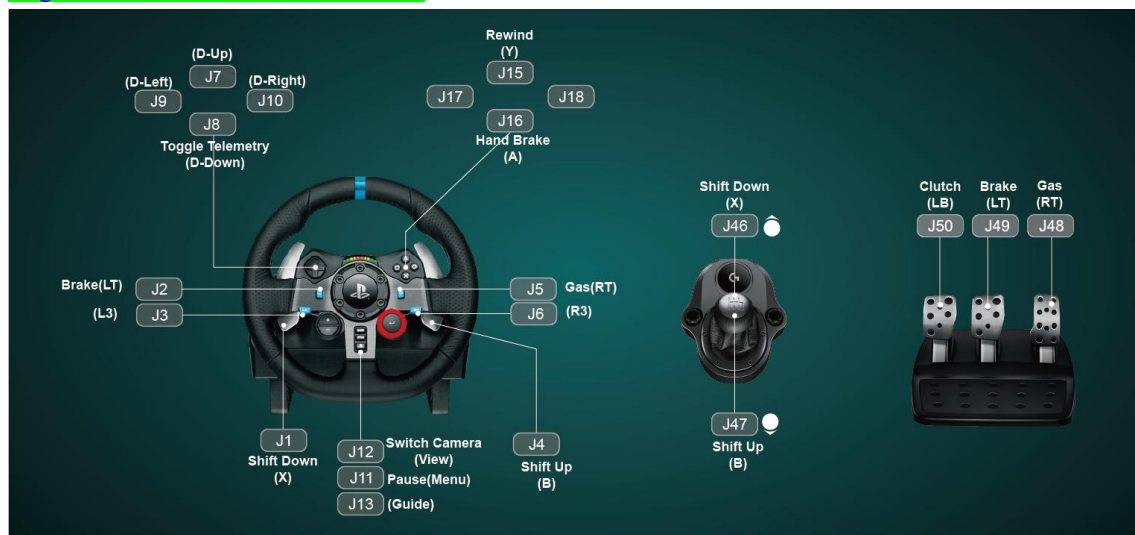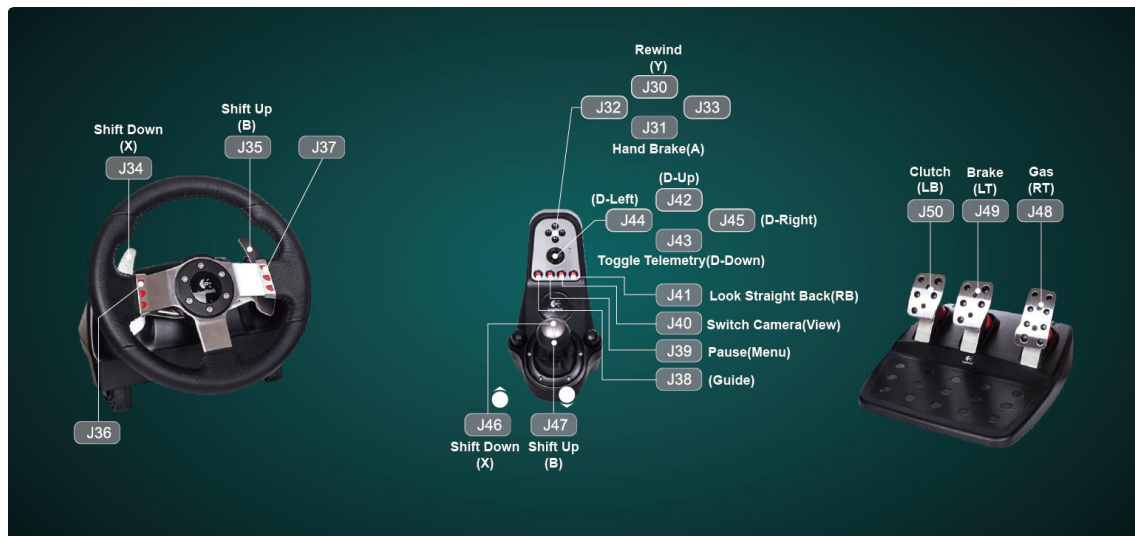

Logitech Driving Force GT/Pro
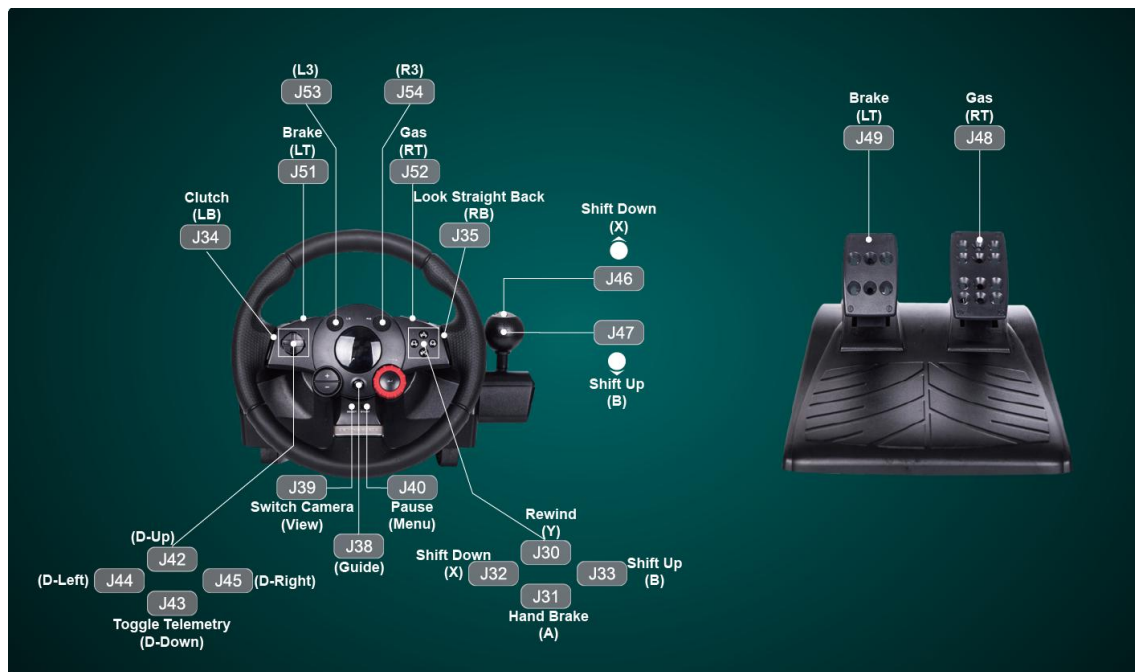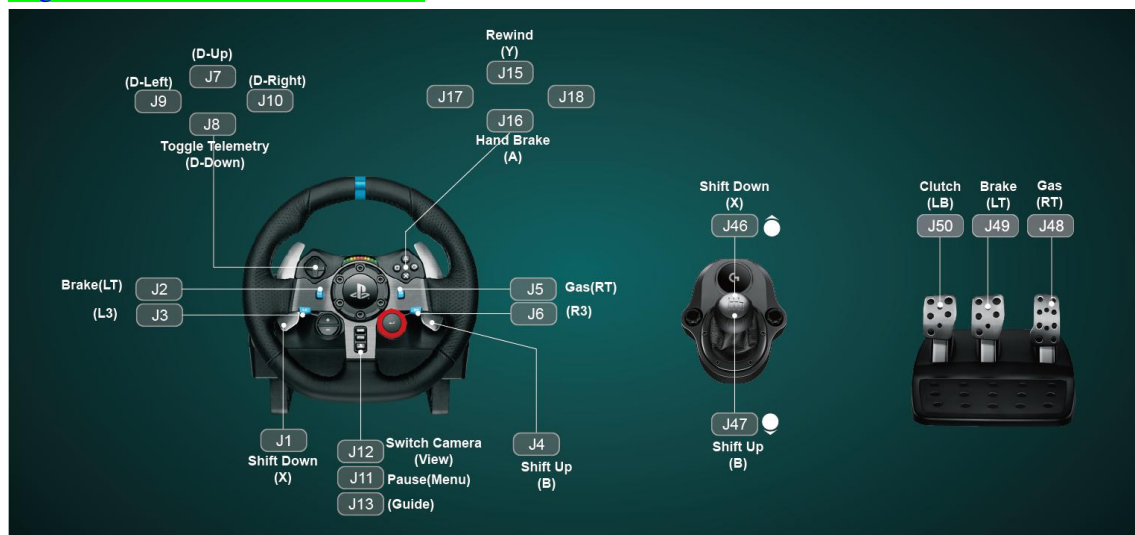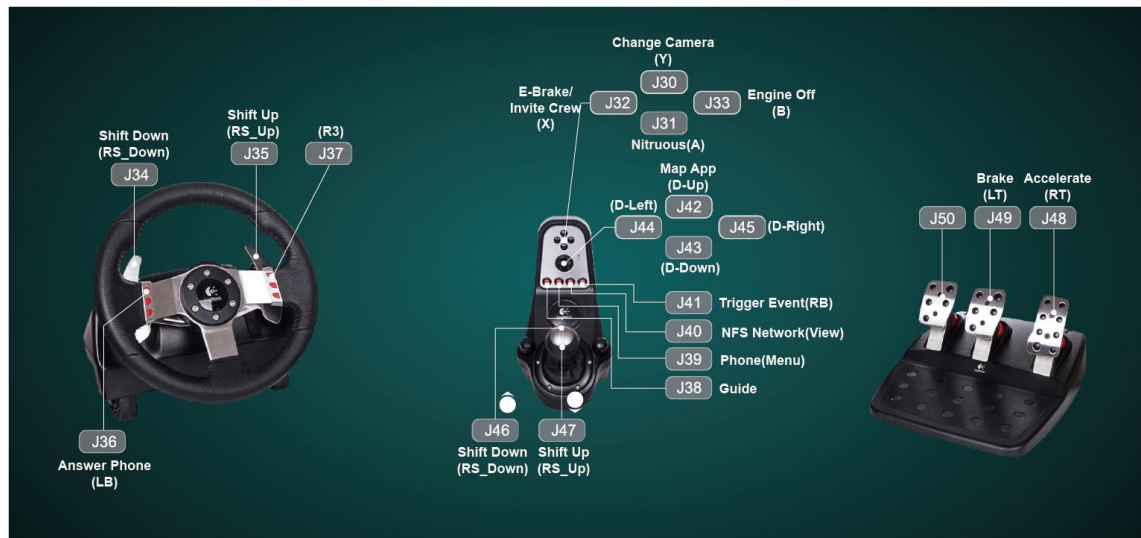

Logitech G29/ Thrustmaster T300RS

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XBOX ONE: Forza 5 (L) Kepmapping:

Logitech G25/G27

Rewind
(Y)
J30
J32   J33
J31
Hand Brake(A)

Shift Up
(B)
Shift Down
(X)
J34   J35   J37

(D-Up)
J42
(D-Left)
J44   J45   (D-Right)
J43
Toggle Telemetry(D-Down)

Clutch   Brake   Gas
(LB)   (LT)   (RT)
J50   J49   J48

J41   Look Straight Back(RB)
J40   Switch Camera(View)
J39   Pause(Menu)
J38   (Guide)

J36

J46   J47
Shift Down   Shift Up
(X)   (B)

Logitech Driving Force GT/Pro

(L3)   (R3)
J53   J54

Brake   Gas
(LT)   (RT)
J51   J52

Clutch
(LB)
J34

Look Straight Back
(RB)
J35

Shift Down
(X)
J46

J47
Shift Up
(B)

Brake   Gas
(LT)   (RT)
J49   J48

J39   J40
Switch Camera   Pause
(View)   (Menu)
J38
(Guide)

(D-Up)
J42
(D-Left) J44   J45 (D-Right)
J43
Toggle Telemetry
(D-Down)

Rewind
(Y)
J30
Shift Down   J33   Shift Up
(X) J32   (B)
J31
Hand Brake
(A)

Logitech G29/ Thrustmaster T300RS

(D-Up)
(D-Left) J7 (D-Right)
J9   J10
J8
Toggle Telemetry
(D-Down)

Rewind
(Y)
J15
J17   J18
J16
Hand Brake
(A)

Brake(LT) J2   J5 Gas(RT)
(L3) J3   J6 (R3)

Shift Down
(X)
J46

Clutch   Brake   Gas
(LB)   (LT)   (RT)
J50   J49   J48

J47
Shift Up
(B)

J1
Shift Down
(X)
J12 Switch Camera
(View)
J11 Pause(Menu)
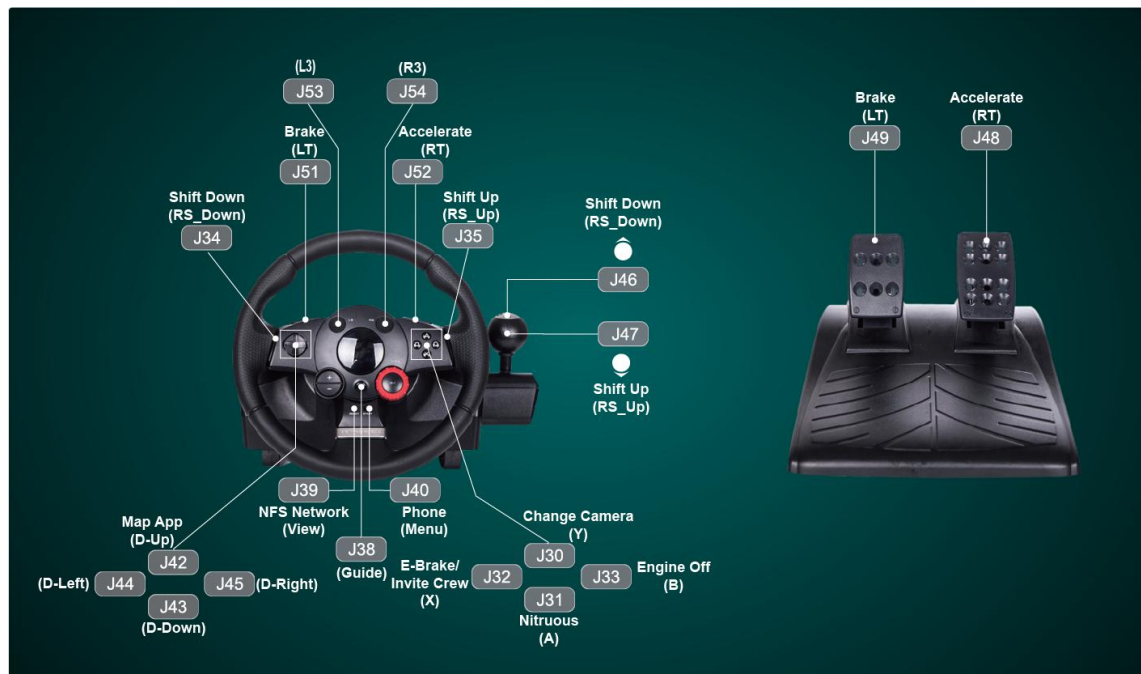J13 (Guide)

J4
Shift Up
(B)

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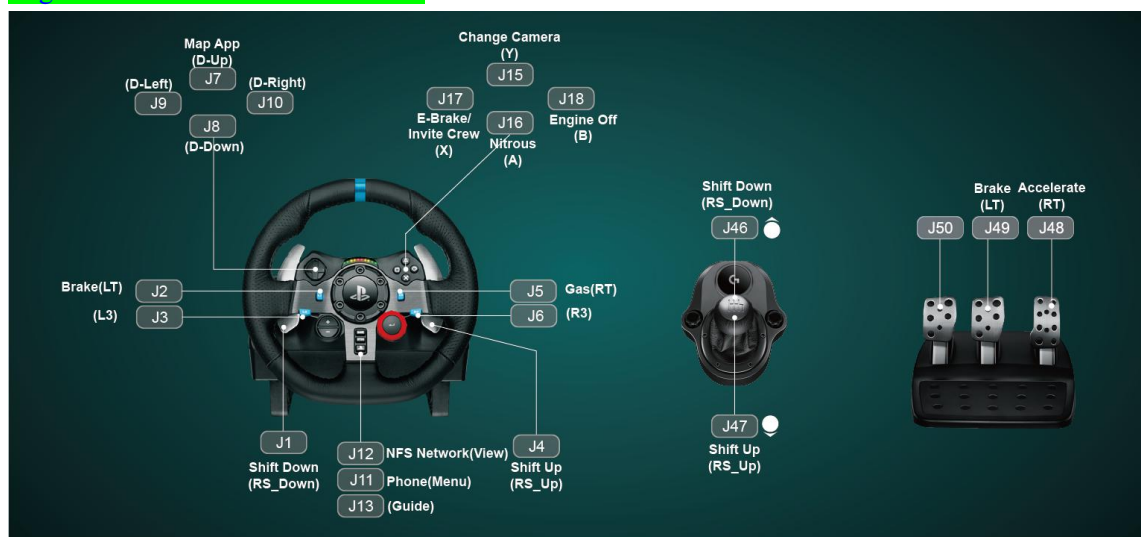**XBOX ONE:** Need for Speed 19(L)Kepmapping:
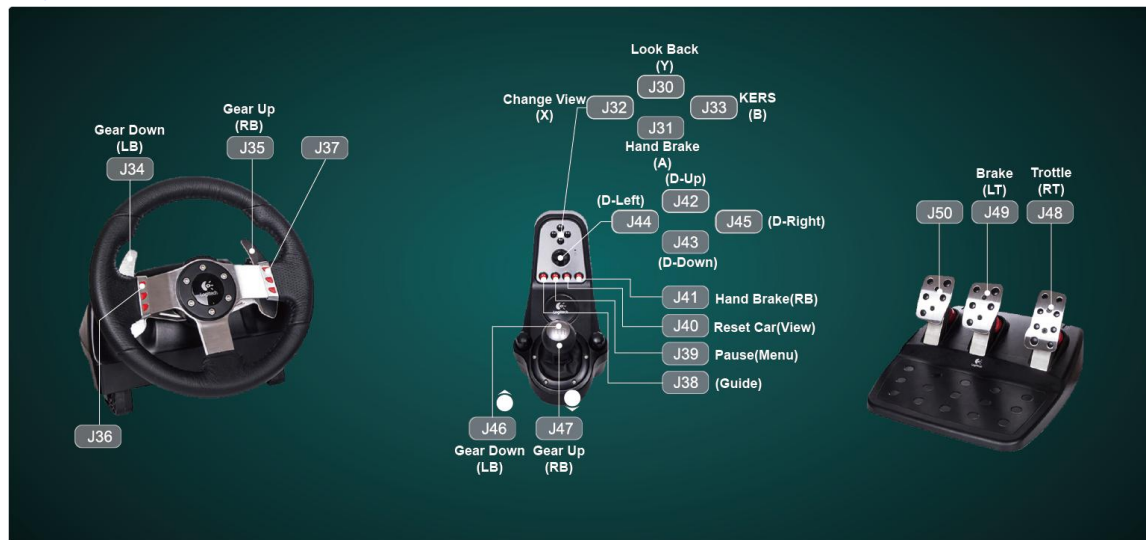
Logitech G25/G27

Logitech Driving Force GT/Pro
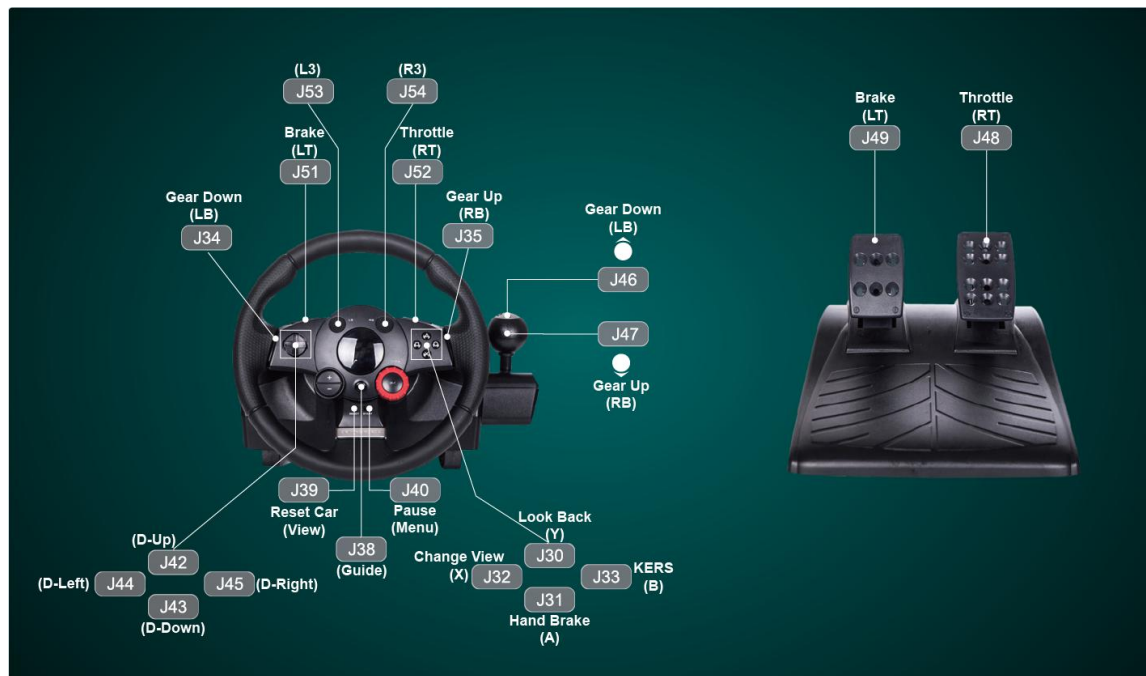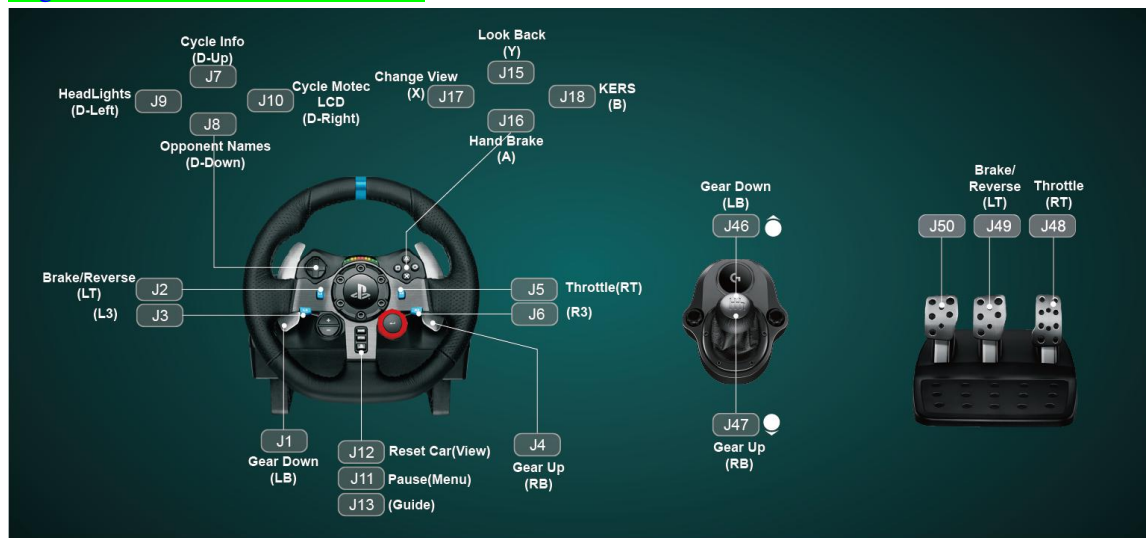

Logitech G29/ Thrustmaster T300RS

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Logitech G25/G27

Logitech Driving Force GT/Pro

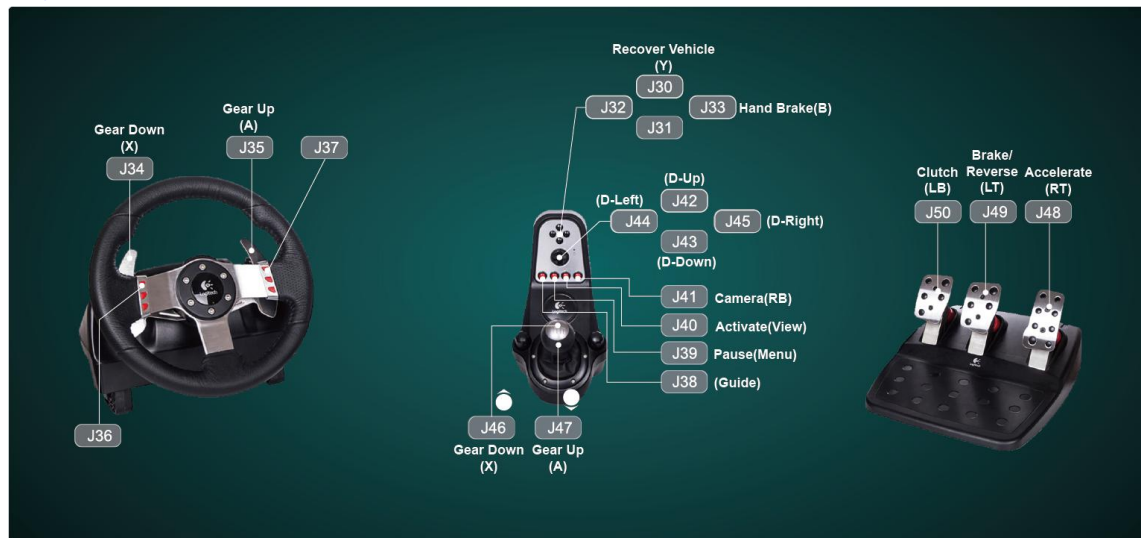

Logitech G29/ Thrustmaster T300RS

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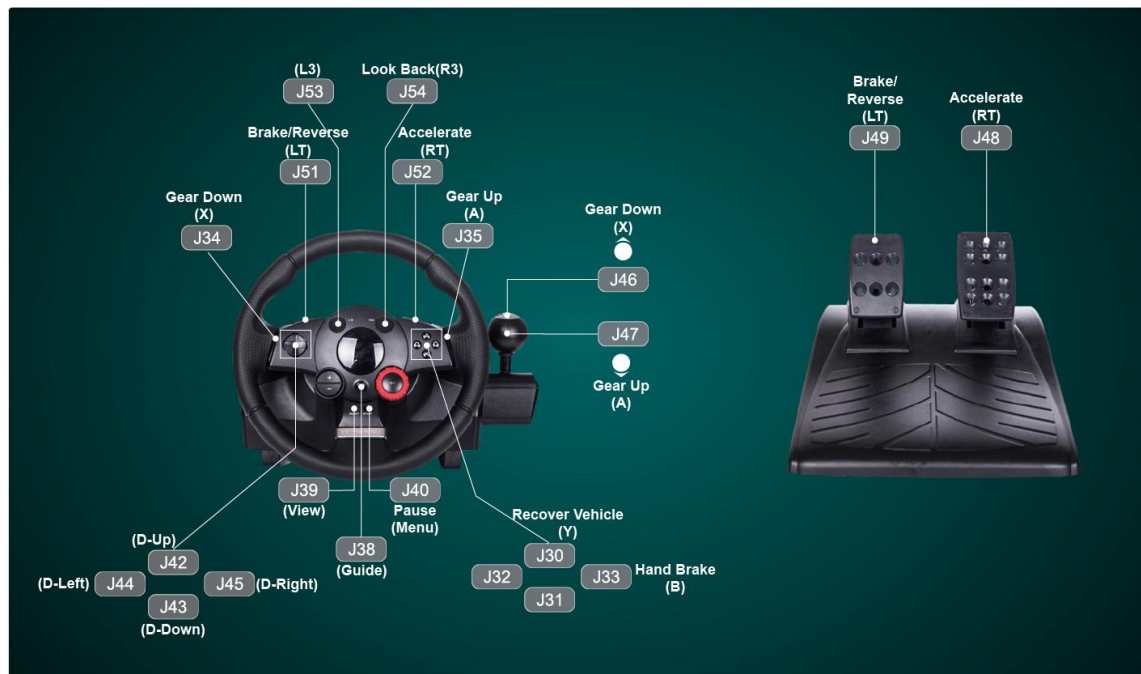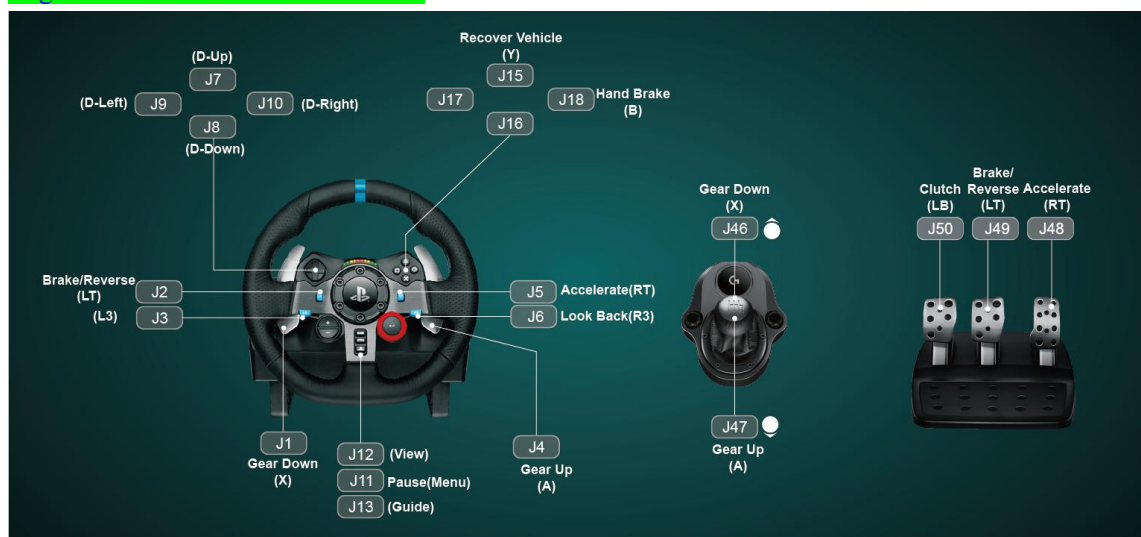
Logitech G25/G27

Logitech Driving Force GT/Pro

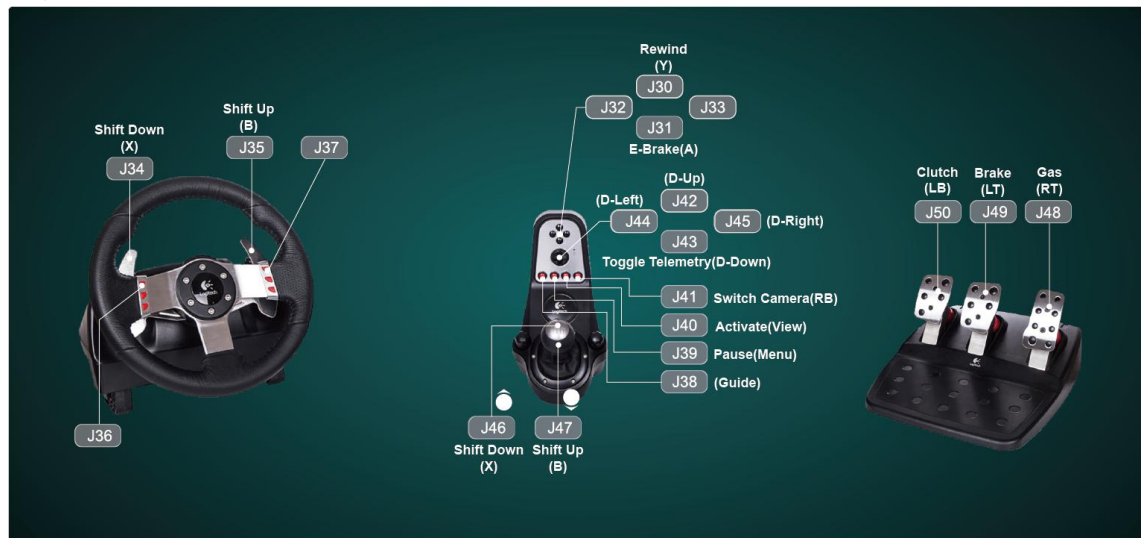

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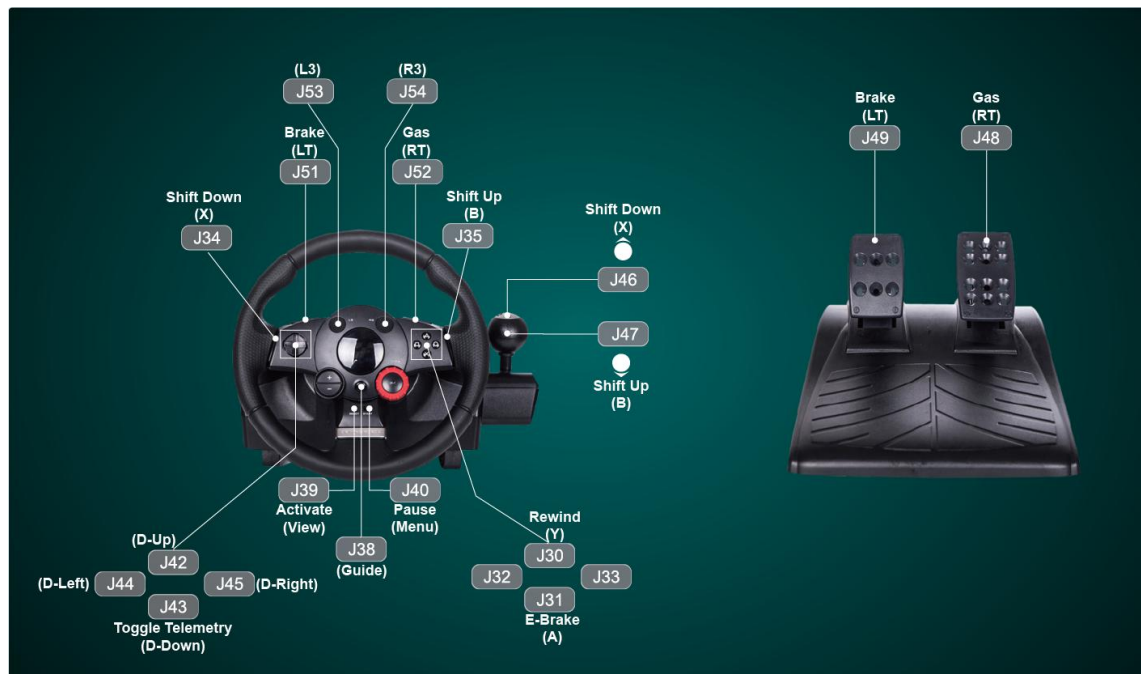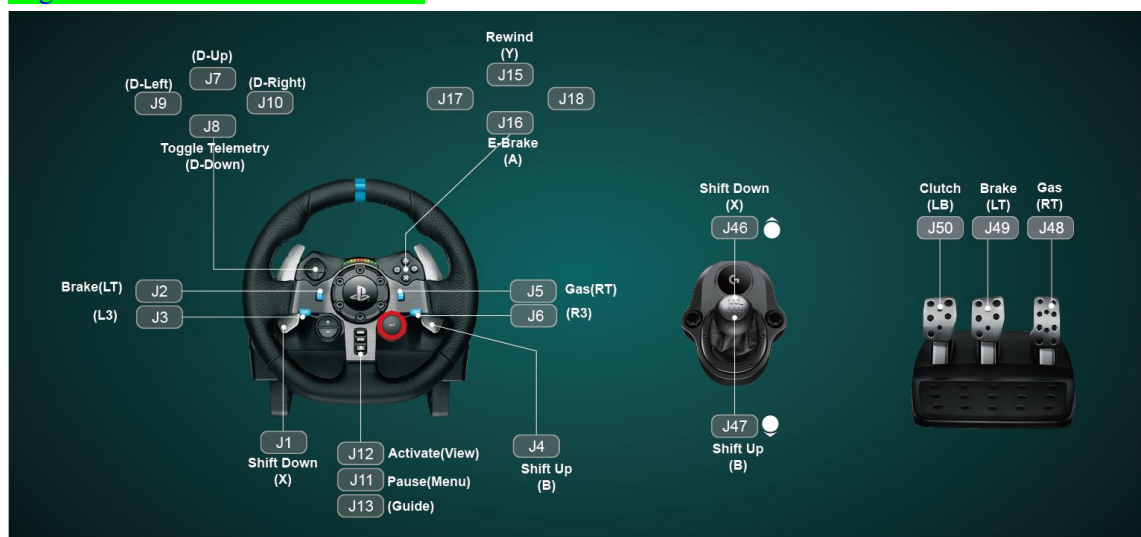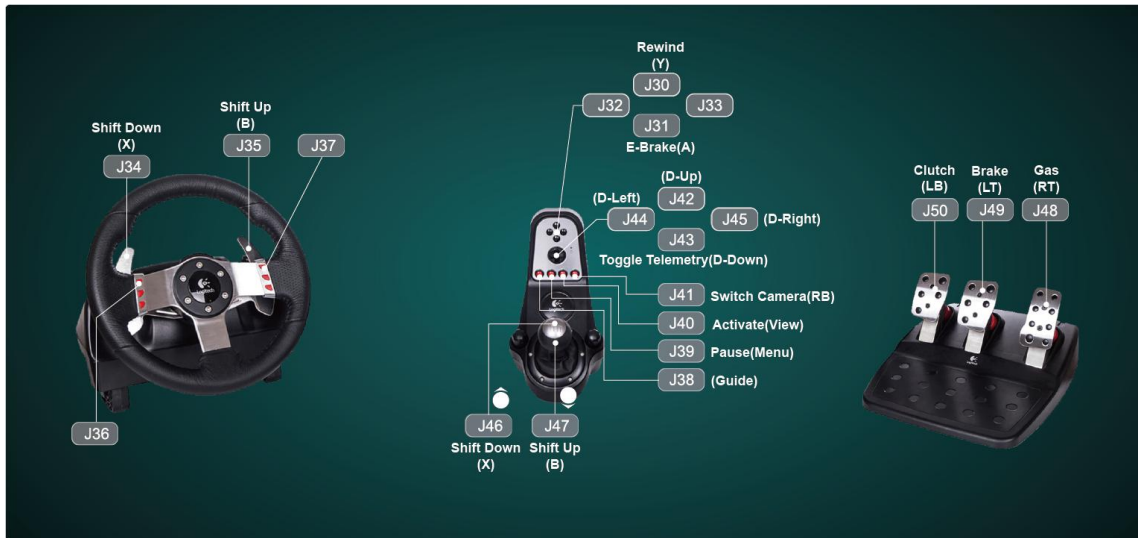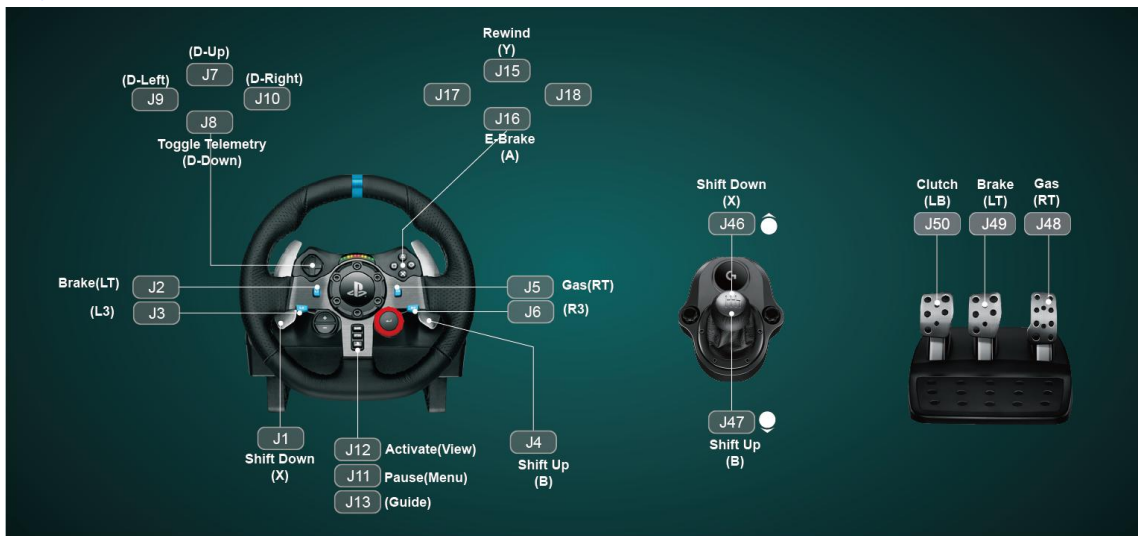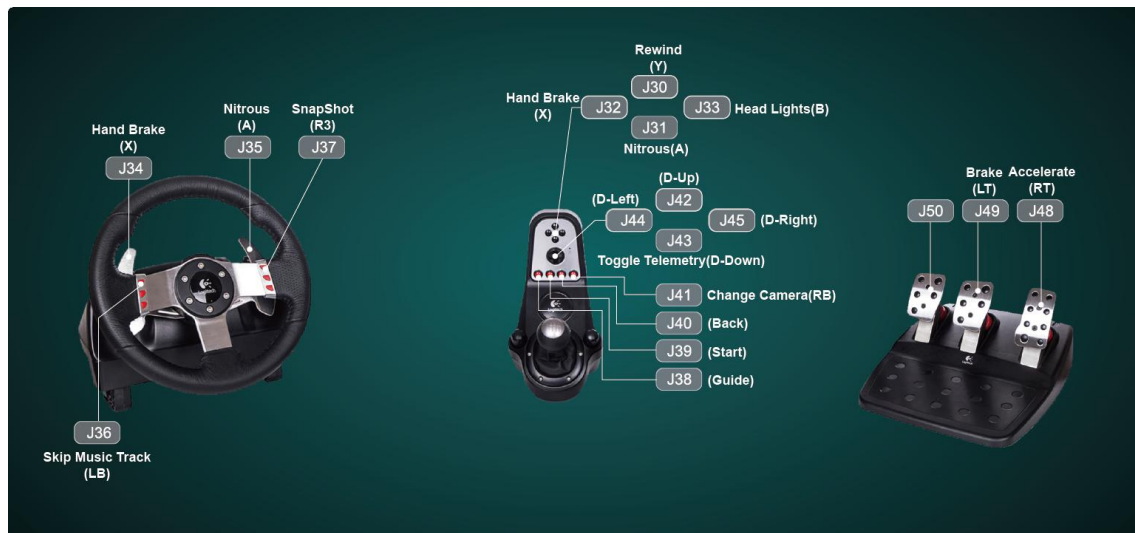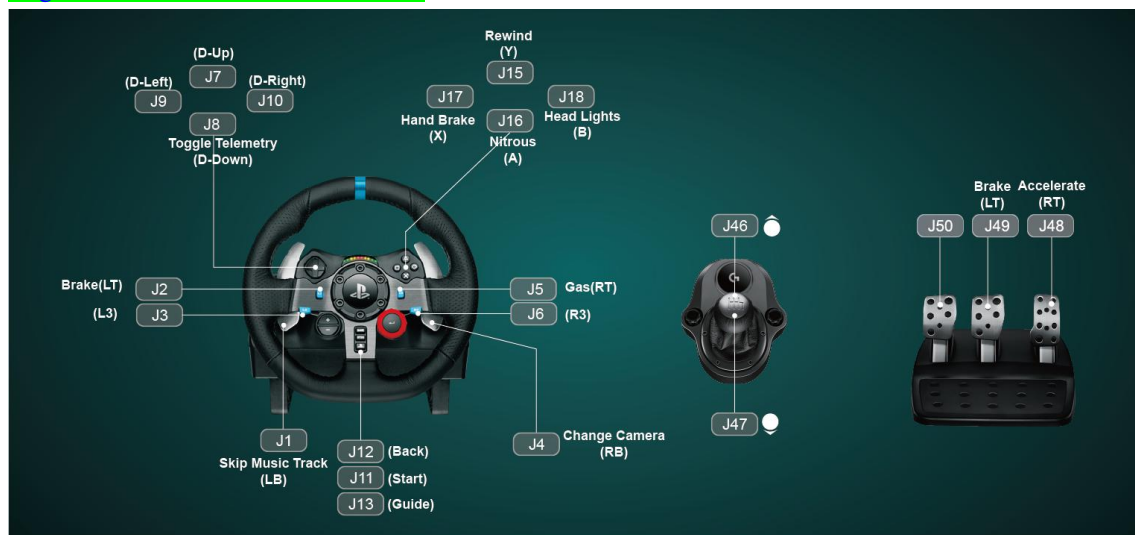● Parameters of steering wheel can be changed according to chapter 4 of this manual.

4. Parameters of Steering Wheel

4.1 Change parameter in Cross Hair Manager

These parameters are only for racing games in legacy mode!
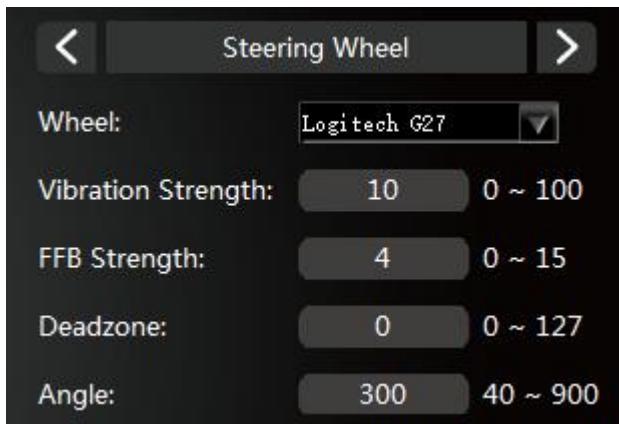
● **Wheel**：Choose your wheel from this drop-down menu

● **Vibration Strength:** A bigger value means stronger vibration on the steering wheel, a smaller value means weaker vibration on the steering wheel.

● **FFB Strength: Force Feedback strength**，A bigger value means stronger feedback strength on the steering wheel, a smaller value means weaker feedback strength on the steering wheel.

● **Deadzone:** A suitable value will eliminate the deadzone of wheel, where you will find no response in game and provide a good controlling during the racing.

● **Angle:** Choose a correct working angle according to your wheel's specification. A bigger value means the steering wheel is less sensitive in game，a smaller value means the steering wheel is more sensitive in game.
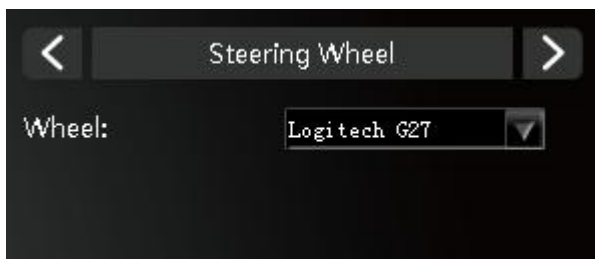
For racing games in expert mode
You just need to choose the wheel you are going to use.

4.2 Change parameter in Config Mode

Some parameters can be changed not only in Cross Hair Manager but also in Config Mode.

Any time in game, just press SHARE+OPTIONS（PS4 platform）keys on your controller to enter **CONFIG MODE** and the LOGO's light will be turned off in this mode.

Different platform has different keys to use.

Game Console	Controller	Keys to enter/exit CONFIG MODE
PS4	Dual Shock 4	SHARE+OPTIONS
PS3	Dual Shock 3	SELECT+START
XBOX ONE		VIEW+MENU
XBOX 360		BACK+START

In **CONFIG MODE**, you can use the controller to change vibration and sensitivity of steering wheel.

Color and Sound in CONFIG MODE:

KEY	COLOR	BEEP	Functions
Triangle/Y	flash yellow	Higher pitch beep	Vibration ADD
Cross/A	flash yellow	Lower pitch beep	Vibration SUB
Circle/B	flash blue	Higher pitch beep	Angle ADD
Square/X	flash blue	Lower pitch beep	Angle SUB

Adjusting Steering Wheel Vibration Strength (CONFIG MODE)

Triangle/Y key is for increasing vibration strength. You will see a flashing yellow light and hear a higher pitch sound once the key is pressed.

Cross/A key is for decreasing vibration strength. You will see a flashing yellow light and hear

a lower pitch sound once the key is pressed.

Adjusting Steering Wheel Angle (CONFIG MODE)
Circle/B key is for increasing wheel angle. You will see a flashing blue light and hear a higher pitch sound once the key is pressed.
Square/X key is for decreasing wheel angle. You will see a flashing blue light and hear a lower pitch sound once the key is pressed.

You can press SHARE+OPTIONS（PS4 platform）keys again on your controller to exit the **CONFIG MODE**, and return to **PLAY MODE**. All the changes will be saved in the activated configuration during the exiting. If you do not exit the **CONFIG MODE**, all changes will be lost.
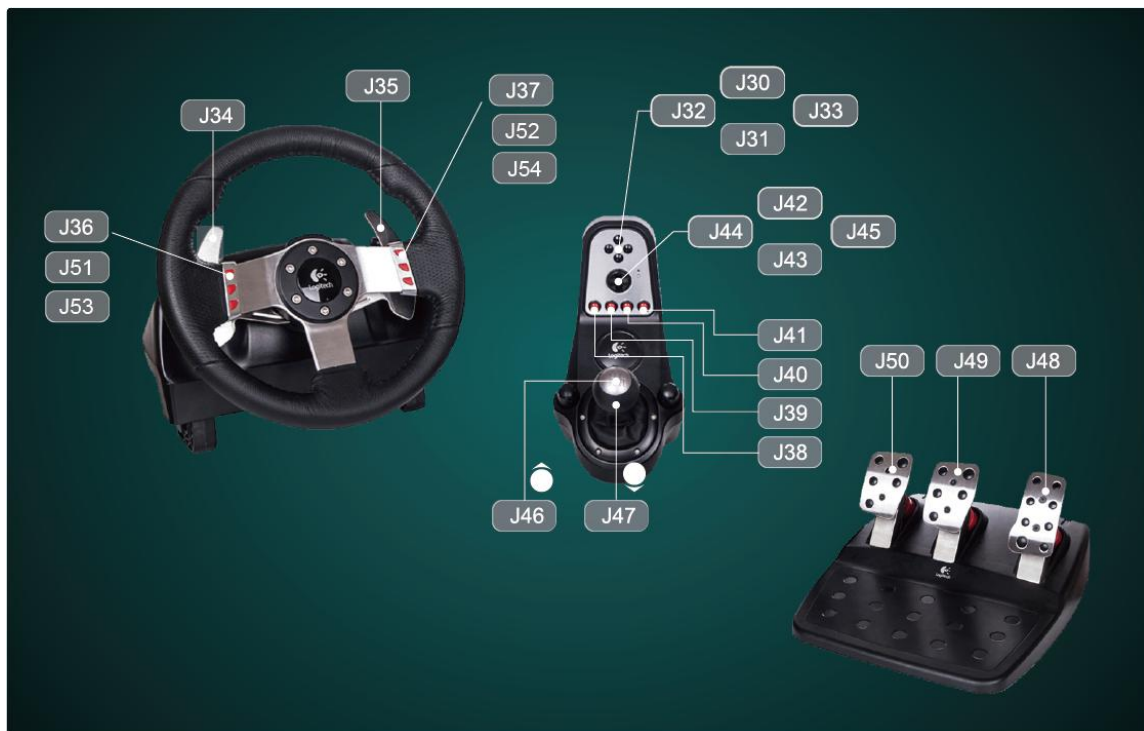
5. Change Keymapping
The buttons on steering wheel can also be remapped both in Cross Hair Manager and in Config Mode.
5.1 Change Keymapping in Cross Hair Manager

Index of every key of steering wheel and shifter and pedal
(This index can be used in Cross Hair Manager for remapping the keys!)

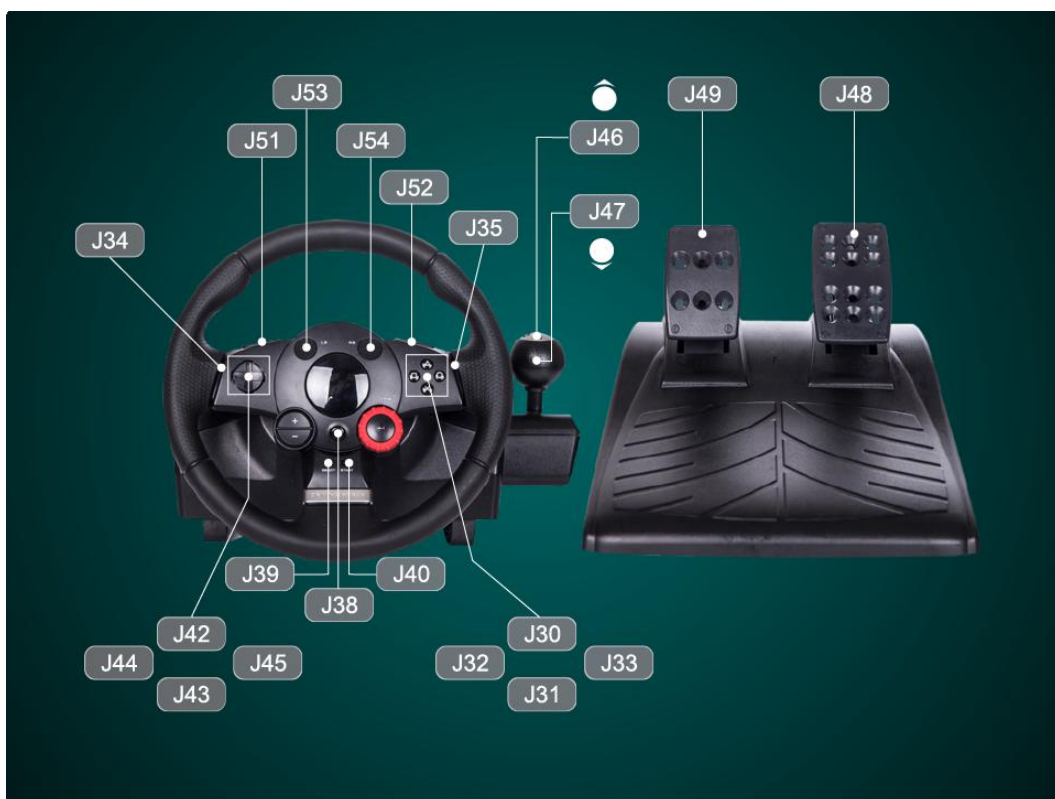**Index of every key of steering wheel and shifter and pedal**
(This index can be used in Cross Hair Manager for remapping the keys!)

5.2 Change Keymapping in Config Mode

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XBOX ONE		VIEW+MENU
XBOX 360		BACK+START

In **CONFIG MODE**, to begin a key mapping, you should press the **PS** key (PS4/PS3) or **GUIDE** key (XBOX ONE/360). Then the LOGO will show flashing blue. This means you can choose one key on the controller to be mapped.

Once the key on the controller is pressed, LOGO will show a stable blue light, and then wait for the corresponding key on the steering wheel or shifter. After selecting your key, Cross Hair will keep flashing blue again. Then a new key mapping can be continued.

After mapping all the keys, you can press SHARE+OPTIONS（PS4 platform）keys on your controller to exit the **CONFIG MODE**, and end the mapping procedure. All the changes will be saved in the activated configuration during the exiting. If you do not exit the **CONFIG MODE**, all changes will be lost.