



FLIGHT INSTRUMENT PANEL

Professional Multi-Instrument LCD Panel Simulation Controller
专用多仪表 LCD 面板模拟控制器

USER GUIDE | **用户指南**

logitechG.com

FLIGHT | 飞行



YOKE SYSTEM
控制器系统

RUDDER PEDALS
方向舵踏板

INSTRUMENT PANEL
仪表盘



MULTI PANEL
多功能面板

RADIO PANEL
无线电面板

SWITCH PANEL
开关面板



Build your whole cockpit with our modular, interchangeable system.
用模块化的可互换式系统构建整个驾驶舱。

4 ENGLISH

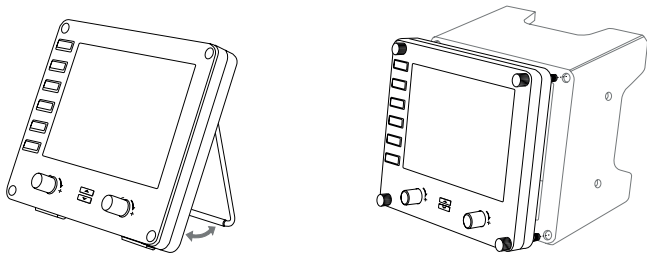
11 简体中文

Getting Started: FLIGHT INSTRUMENT PANEL

Congratulations on buying the Logitech G Flight Instrument Panel. The Instrument Panel interacts in real time with Microsoft Flight Simulator X to display a choice of cockpit screens, improving control and making your flying experiences more realistic.

Installing the Instrument Panel

To use the Instrument Panel as a standalone device, simply extend the support stand at the back of unit as shown.



You can also fix the panel to the supplied mounting bracket. Insert the screws through the holes at the corners of the panel into the bracket behind and tighten. If you already own a Logitech Flight Yoke System, you can mount the panel and bracket on top of the yoke unit using the screws provided.

INSTALLATION FOR WINDOWS® 10, WINDOWS® 8.1 AND WINDOWS® 7

DRIVER INSTALLATION

- 1 Visit logitech.com/support/FIP to download the latest drivers and software for your operating system.
- 2 **With device disconnected**, follow the onscreen instructions to complete the installation.
- 3 At the Driver Setup screen, **only when prompted**, insert USB cable into one of your computer's USB ports, then click **Next**.
- 4 Screen displays



Altimeter

Vertical Speed

Airspeed

Altitude

Compass

Turn and Slip

How to assign Flight Simulator X instrument displays to the Pro Flight Instrument Panel

Once you have installed the appropriate plug-in for Flight Simulator X (FSX), the next time you run FSX it will prompt you that it is attempting to load the Logitech G Panel(s) Plug-in for FSX - click Yes on this screen.

After that you should see a Windows security warning asking you if you want to run LogiFlightSimX.exe - click Yes on that screen.

Finally, FSX will prompt you if you wish to make LogiFlightSimX.exe a trusted piece of software - click Yes.

Once you have installed the Panel software, the Panel buttons and controls should be automatically configured to control their functions in FSX software. If your FSX software does not recognise the Panel, unplug the USB cable and plug it back in.

For further help with other sims or any other questions, check the support page at logitech.com/support/FIP.

You can select one of the above six screens to be displayed on the Flight Instrument Panel. Press the cursor up or down buttons at the bottom centre of the panel to scroll through the screen displays.

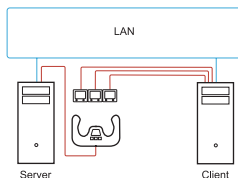
Additional buttons

The six buttons on the left of the Instrument Panel open additional cockpit screens or displays when flying in FSX. Each button is labelled with the corresponding display to the right of it. The Map, Main Panel, Radios and GPS buttons will open those screens or cockpit panels when flying most aircraft. The panel 4 and 5 buttons will open different screens or panels depending on the aircraft being flown. Press the button once to open the panel or screen and again to close it (except map where you must click on OK or press return to close the map screen).

Note: Pressing any of the six buttons when FSX is not loaded will switch the panel display off and on. You can connect multiple Instrument Panels to your PC to show different cockpit displays simultaneously. Each panel uses system resources - see Advanced options below to connect multiple panels with maximum system performance.

Advanced options

If you have more than one PC connected to a LAN you can connect multiple instrument panels to a secondary PC which will display flight information from Microsoft FSX running on your primary PC. This can be useful to free up system resources for FSX.



Definitions

Server = The PC that will be running FSX and the main Flight controllers attached.

Client = The PC that will be linked to the Server via the LAN. The instrument panels will be connected to this PC to alleviate the processing stress of having multiple screens connected to one PC.

On theServer PC

- 1 Ensure FSX and the FIP drivers are installed and running.
- 2 Original retail DVD1: FSX Deluxe edition; Navigate to the SDK folder and run Setup.exe.
- 3 Show hidden files. In Windows Explorer (if running Vista press Alt key) navigate to Tools > Folder Options. Select View tab. In Advance Settings > Hidden Files and Folders section, Select Show Hidden Files and Folders.
- 4 Locate SimConnect.xml

On Vista: C:\Users\username\AppData\Roaming\Microsoft\FSX\

On XP: C:\Documents and Settings\Application Data\Microsoft\FSX\

Add section within the section <SimBase.Document...>

```
<SimConnect.Comm>
```

```
<Disabled>False</Disabled>
```

```
<Protocol>IPv4</Protocol>
```

```
<Scope>global</Scope>
```

```
<Address>SERVER_MACHINE_IP_ADDRESS</Address>
```

```
<MaxClients>64</MaxClients>
```

```
<Port>SERVER_MACHINE_PORT_NUMBER</Port>
```

```
<MaxRecvSize>4096</MaxRecvSize>
```

```
<DisableNagle>False</DisableNagle>
```

```
</SimConnect.Comm>
```

Note: Find and insert the server machine IP address into the field above from Control Panel > Network Connections > Local Area Connection. Select Support tab.

Note: Select a port number greater than 1024 (Not 8080). We recommend using 2001.

Note: You will need to make a note of the Server machine IP address and the port number when setting up the client machine.

On the Client PC

- 5 Ensure that the Flight Instrument Panel drivers are installed and working correctly.
- 6 Download and install Microsoft Visual C++ 2005 Redistributable Package (x86). NOT the SP1 variant!
- 7 Copy SimConnect.msi from server machine and install. On server machine, default location: C:\Program Files\Microsoft Games\Microsoft Flight Simulator X SDK\SDK\Core Utilities Kit\SimConnect\SDK\lib\
- 8 Create file in My Documents, a text document, rename to SimConnect.cfg
This contains:
[SimConnect]
Protocol=IPv4
Address=SERVER_MACHINE_IP_ADDRESS
Port=SERVER_MACHINE_PORT_NUMBER
MaxReceiveSize=4096
DisableNagle=0

Note: Fill in the Server machine IP address and the port number selected from Step 4.

- To start the instrument panel, start FSX on the server. You may need to allow FSX to act as a server in the Firewall settings. If you have trouble connecting to this machine, temporarily disable the Firewall to see if a connection can be made.
- On the client PC, start LogiFlightSimX.exe Locate at:
C:\Program Files\Logitech\FMX Plugin\

Note: If nothing appears to happen, open Task Manager and check that LogiFlightSimX.exe is in the list of running Processes. If SimConnect cannot find or connect to the Server PC, LogiFlightSimX.exe will only run very briefly and will not display any gauges. If this is the case try disabling the Firewall.

Tip: If the client machine fails to connect, please check the Advanced Network Settings. Navigate Control Panel > Network Connections > Local Area Connection. Select Properties. Highlight Internet Protocol (TCP/IP) and Select Properties. Select Advanced. Select WINS tab. Select Enable NetBIOS over TCP/IP. Select OK or Close and all opened windows.

Please see www.fsdeveloper.com navigate to wiki > simconnect > remote_connection for further details.

TECHNICAL SUPPORT

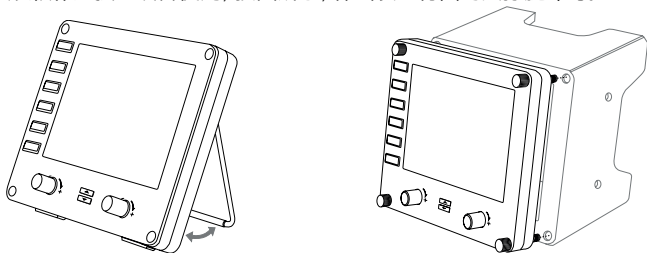
Online Support: support.logitech.com

入门指南：飞行仪表板

恭喜入手罗技 G 飞行仪表板。本仪表板可实时与 Microsoft Flight Simulator X 互动，根据选择显示多个驾驶舱屏幕，增强控制水平，让您的飞行体验更为真实。

安装仪表板

要将本仪表板作为独立设备使用，按图所示，伸出装置背面的支撑腿即可。



另外，也支持将面板固定到随附的安装托架上。在面板四角的孔中穿入螺丝，固定到后面的托架上。如果已拥有罗技飞行控制器系统，还可通过随附的螺丝将面板与托架一并安装到飞行控制器上面。

WINDOWS® 10、WINDOWS® 8.1 和 WINDOWS® 7 的安装

驱动程序安装

- 1 访问 logitech.com/support/FIP, 下载面向您操作系统的最新驱动程序和软件。
- 2 在设备连接情况下, 按屏幕说明完成安装。
- 3 在“驱动程序安装”画面中, **只有在出现提示时**, 再将 USB 线插入计算机 USB 端口, 然后单击**下一步**。
- 4 屏幕显示



高度表

垂直速度

空气速度

海拔高度

指南针

转向与倾斜

如何向 Pro 飞行仪表板分配 Flight Simulator X 仪表显示画面

在已为 Flight Simulator X (FSX) 安装相应的插件后, 下一次运行 FSX 时便会提示其正在尝试加载 FSX 的罗技 G 面板插件 - 在此屏幕中单击“是”。

此后, 应可看到 Windows 安全警告, 询问您是否要运行 LogiFlightSimX.exe - 在此屏幕中单击“是”。

最后, FSX 将询问您是否要将 LogiFlightSimX.exe 列为受信任的软件 - 单击“是”。

在已安装面板软件后, 面板按钮与空间应自动配置, 并可控制 FSX 软件中的相应功能。

如果您的 FSX 软件未识别本面板, 拔出 USB 线并重新插入。

有关其他模拟装备的更多帮助, 或有任何其他问题, 请查看支持页面: logitech.com/support/FIP。

飞行仪表板上的显示画面可在上面六个中进行选择。按下面板中下部的上下按钮可滚动浏览这些屏幕画面。

附加按钮

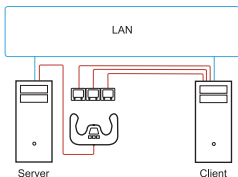
仪表板左侧的六个按钮支持在 FSX 中飞行时打开附加驾驶舱屏幕或画面。每个按钮的右侧都标记相应画面。在驾驶大多数飞机时, 地图、主面板、无线电和 GPS 按钮都将打开对应屏幕或驾驶室面板。面板 4 和 5 按钮将根据当前控制的飞机打开不同的屏幕或面板。按一下按钮可打开面板或屏幕, 再按一次可将其关闭 (地图画面除外, 此时只有按下“确定”或按返回后才能关闭)。

请注意: 若在 FSX 未加载时按下六个按钮中的任何一个, 都将打开或关闭面板画面。

您可向 PC 上连接多个仪表板, 从而同时显示不同的驾驶室画面。每个面板都会使用系统资源, 要在连接多个面板时获得最佳系统性能, 请参见下方的“高级”选项。

高级选项

如果有多台 PC 连接到 LAN, 可将多个仪表板连接到从属 PC, 令其为主 PC 上运行的 Microsoft FSX 显示飞行信息。这有助于帮助节省 FSX 的系统资源。



定义

服务器 = 运行 FSX 并且连接主飞行控制器的 PC。

客户端 = 通过 LAN 与服务器连接的 PC。仪表板将连接到此 PC 上, 缓解将多画面连接到一台 PC 上的处理压力。

在服务器 PC 上

- 1 确保 FSX 和 FIP 驱动程序都已安装并运行。
- 2 原始零售 DVD1: FSX Deluxe 版本; 导航到 SDK 文件夹并运行 Setup.exe。
- 3 显示隐藏文件。在 Windows 资源管理器中 (如果运行 Vista, 按下 Alt 键) 导航到“工具 > 文件夹选项”。选择“查看”选项卡。在“高级设置 > 隐藏文件和文件夹”部分中, 选择“显示隐藏的文件和文件夹”。
- 4 找到 SimConnect.xml

对于 Vista: C:\Users\username\AppData\Roaming\Microsoft\FSX\

对于 XP: C:\Documents and Settings\Application Data\Microsoft\FSX\

在 <SimBase.Document...> 部分中添加此段

```
<SimConnect.Comm>
<Disabled>False</Disabled>
<Protocol>IPv4</Protocol>
<Scope>global</Scope>
<Address>SERVER_MACHINE_IP_ADDRESS</Address>
<MaxClients>64</MaxClients>
<Port>SERVER_MACHINE_PORT_NUMBER</Port>
<MaxRecvSize>4096</MaxRecvSize>
<DisableNagle>False</DisableNagle>
</SimConnect.Comm>
```

注意: 在“控制面板 > 网络连接 > 本地连接”中找到服务器的机器 IP 地址, 并将其填入上面的字段中。选择“支持”选项卡。

请注意: 请选择大于 1024 的端口号 (不可为 8080)。推荐使用 2001。

请注意: 为方便客户端机器的设置, 您最好将服务器的机器 IP 地址和端口编号记录下来。

在客户端 PC 上

- 5 确保飞行仪表板的驱动程序已安装并运转正常。
- 6 下载并安装 Microsoft Visual C++ 2005 可再发行软件包 (x86)。而不是 SP1 版本!
- 7 从服务器复制 SimConnect.msi 并安装。在服务器上, 默认位置为:
C:\Program Files\Microsoft Games\Microsoft Flight Simulator X SDK\SDK\
Core Utilities Kit\SimConnect\SDK\lib\
- 8 在“我的文档”中创建一个文本文件, 重命名为 SimConnect.cfg
其中包含:
[SimConnect]
Protocol=IPv4
Address=SERVER_MACHINE_IP_ADDRESS
Port=SERVER_MACHINE_PORT_NUMBER
MaxReceiveSize=4096
DisableNagle=0

请注意: 填写第 4 步中所选的服务器 IP 地址和端口编号。

- 要启动仪表板, 在服务器上启动 FSX。您可能需要在防火墙设置中允许 FSX 充当服务器。如果在连接此机器时遇到连接问题, 可临时禁用防火墙, 查看是否可以连接。
- 在客户端 PC 上, 启动 LogiFlightSimX.exe。位置:
C:\Program Files\Logitech\F SX Plugin\

注意: 如果没有任何反应, 打开“任务管理器”, 查看正在运行的“进程”中是否有 LogiFlightSimX.exe。如果 SimConnect 无法找到或无法连接到服务器 PC, LogiFlightSimX.exe 将只会一闪而过, 不会显示任何数据。在此情况下, 尝试禁用防火墙。

提示： 如果客户端机器无法连接, 请检查“高级网络设置”。导航到“控制面板 > 网络连接 > 本地连接”。选择“属性”。突出显示“Internet 协议 (TCP/IP)”并选择“属性”。选择“高级”。选择 WINS 选项卡。选择“启用 TCP/IP 上的 NetBIOS”。选择“确定”或关闭所有已打开的窗口。

有关更多详情, 请访问 www.fsdeveloper.com, 导航到 [wiki > simconnect > remote_connection](#)。

技术支持

在线支持: support.logitech.com



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