



Intel® Connectivity Manager

User Guide

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INTEL® CONNECTIVITY MANAGER

USER GUIDE

OVERVIEW

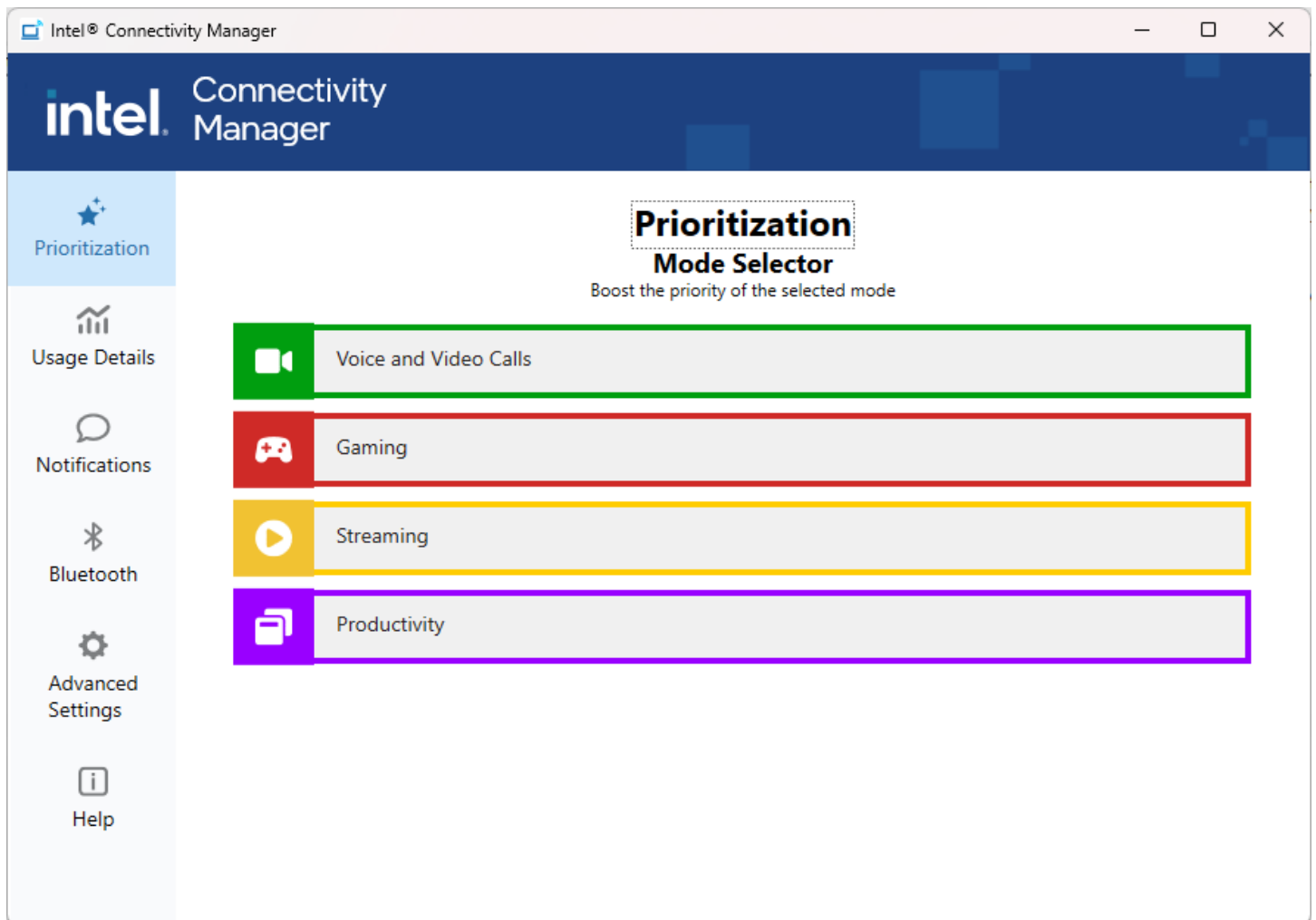
The Intel® Connectivity Manager (ICM) is a subset of the Intel® Connectivity Performance Suite. It provides basic PC networking performance enhancements by creating a personalized network experience based on each user's unique situation. It automatically prioritizes high priority traffic over lower priority traffic to ensure that the user's most critical applications get the best networking performance. If a problem cannot be automatically fixed, then ICM will provide targeted recommendations that will help users improve their networking performance. Optimizing the network performance for each user's situation will provide a best-in-class networking experience and will directly address issues that cause PC users significant frustration.

PRIORITIZATION

When the “Prioritization” button is turned on (from the Advanced Settings page), high priority traffic will automatically be prioritized to give users the best networking experience. Every application and website that ICM detects is automatically put into one of five categories (+ one custom category), prioritized by how important that traffic is. Below is the list of categories in priority order:

1. **Voice and Video Calls:** usually VOIP applications like Teams, Skype, or Discord, are put into this category by default.
2. **Gaming:** game traffic is prioritized to provide the lowest possible latency.
3. **Streaming:** services for streaming video like Netflix, YouTube, and Twitch.
4. **Productivity:** includes standard productivity applications and is the default category for standard web traffic
5. **Downloads:** large downloads that consume a large amount of bandwidth

Custom (Admin. Defined): An application that has been overridden by your system administrator to a different priority. (only available on vPro products)

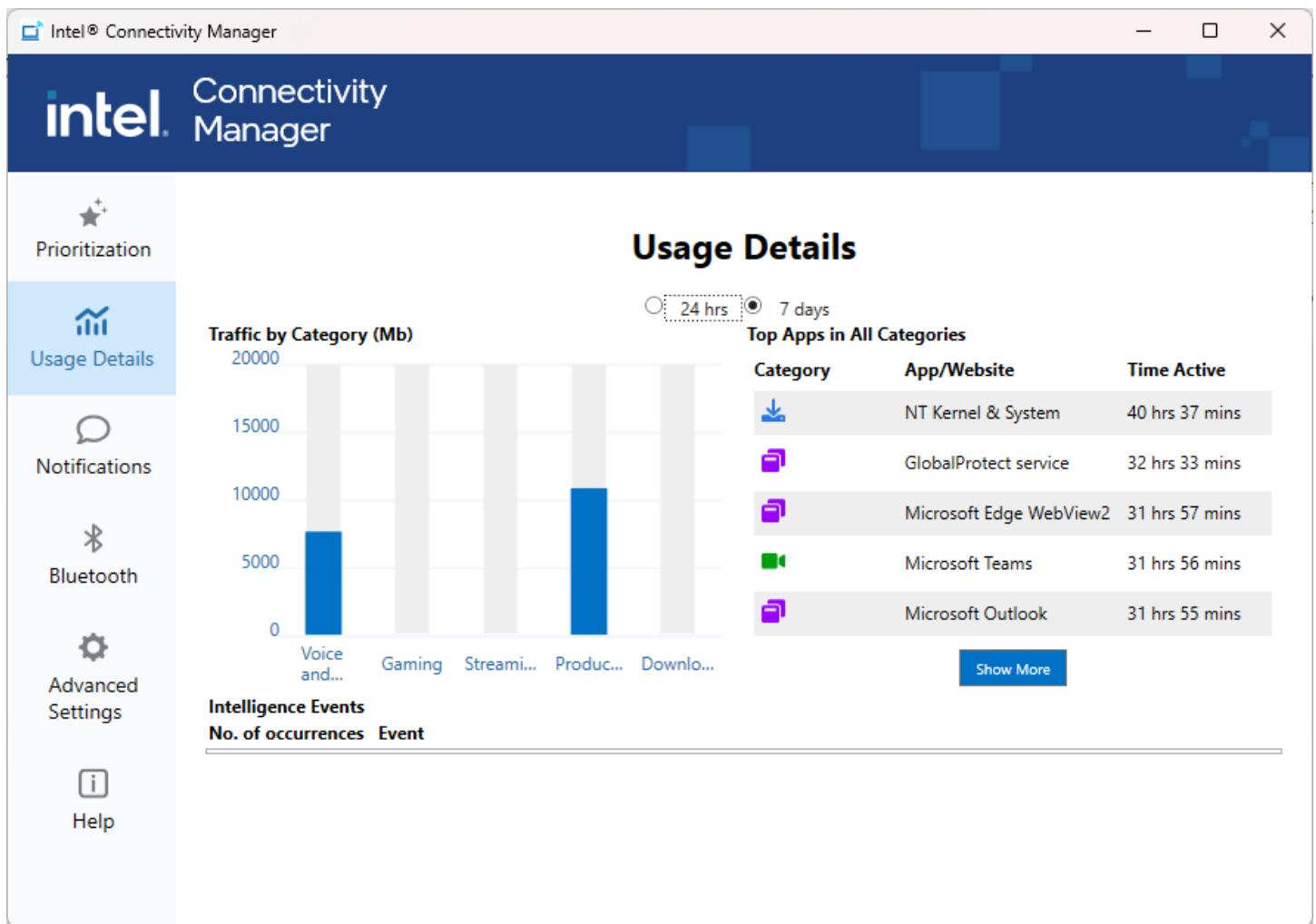


USAGE DETAILS

When “Usage Details” is turned on from the Advanced Settings page, the user will see usage data for the most used apps. The usage data can be shown as the last 24 hours or last 7 days, depending on which radio button is chosen.

The data will be shown in two categories: Top Apps in Boosted Category (on the Prioritization page) and Top Apps in All Categories (on the Usage Details page). The data will show which Mode the app is placed in, the name of the app, and the time that it is connected to the network within the time period chosen.

The data shown is not displayed real time, rather it is collected and when the application exits the data is stored locally. Once stored it is read and then displayed by the UI in the Usage Details section.



If the Usage Details radio button is switched off/on, the usage details will reset and the counter will start over.

The “Show More” button will display the top 15 apps in a separate window, giving the user a larger view of the apps being used.

NOTIFICATIONS

This section will display recommendations and notifications that the user may perform in order to improve their networking experience. The user can also dismiss the recommendation by using the trash icon, in which the recommendation will not show again for that network. The recommendation can be restored from the Advanced Setting page by checking the Reset Recommendation Preferences option.

The following recommendations are available:

Recommendations

Your computer has a faster ethernet link rate than your network equipment. Consider checking/updating your ethernet switch, router, or network cables.

NOTIFICATIONS

Notifications will display important messages to notify the user why their PC may not allow network operations. The following notifications are available:

Notifications

Intel® Connectivity service is disconnected.



BLUETOOTH

The Bluetooth page will display the Bluetooth devices that are connected to your PC. You will be able to connect to the device and rename it to a friendly name for easier recognition. You can also scan for new devices by clicking the Scan button. The page will also display the type of Bluetooth device that is detected.

Intel® Connectivity Manager

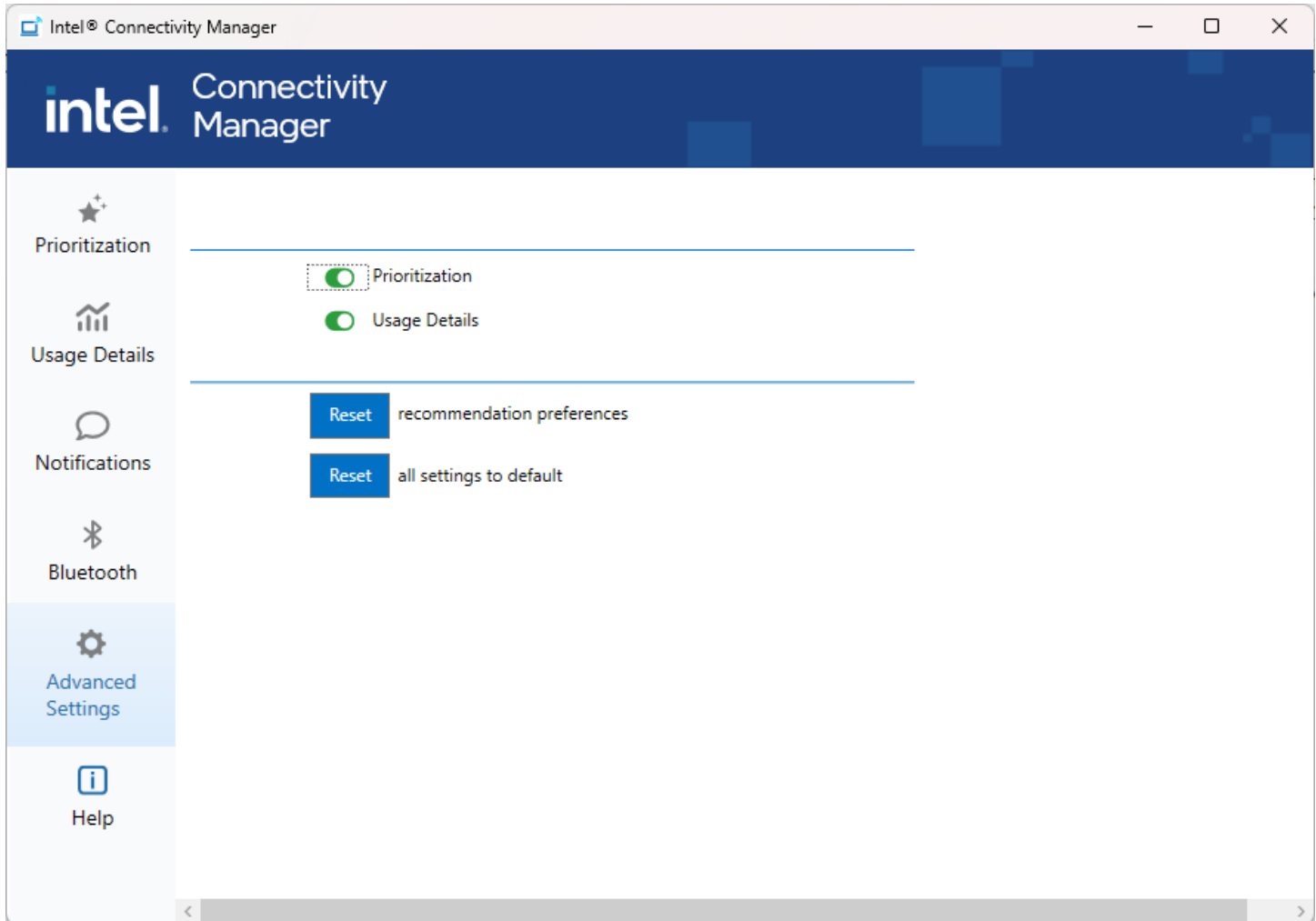
intel Connectivity Manager

Bluetooth Scanning...

Type	Device Name	Connect	Edit Name
	SGOIN-MOBL Paired	<input type="radio"/>	

ADVANCED SETTINGS

This page contains settings for advanced users to control how ICM functions.



There are two disable buttons: Prioritization and Usage Details. When these are toggled on/off the data will turn on/off on the corresponding tabs.

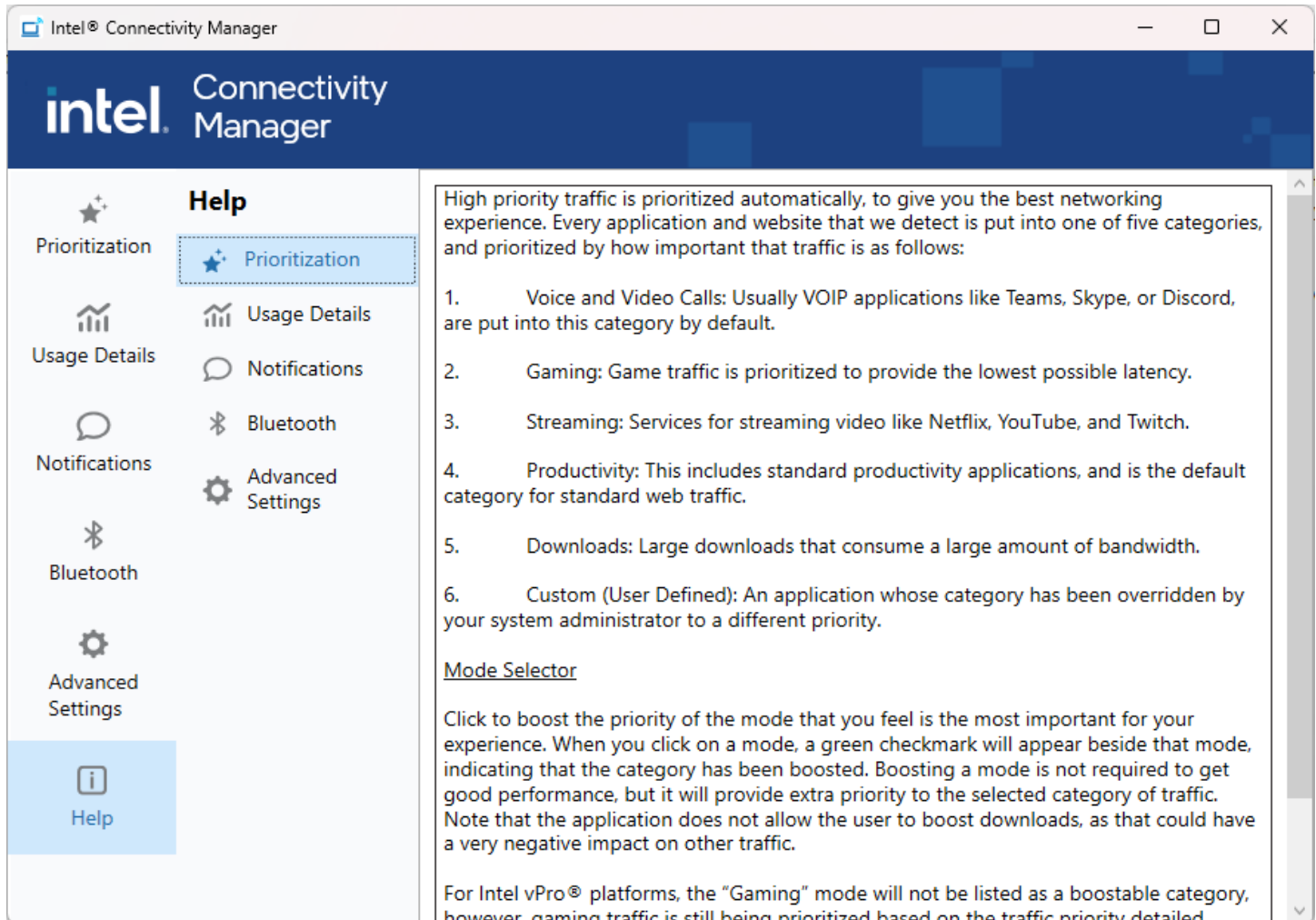
There are also two reset buttons for resetting preferences and defaults.

1. Reset Recommendation preferences: This button can be used to once again show the recommendations on the Network Health page.
2. Reset all settings to default: This button can be used to restore all custom settings back to defaults.

HELP

The help page is accessed by clicking on the help icon.

Once the icon is clicked the help page will show. It will provide more detailed information about each one of the pages on the left of the application.



IT CONTROLS

The Intel® Connectivity Manager offers the IT Department the ability to control the user settings for the software that is deployed to their user base. This is done with an integrated Command Line Tool and needs to be run as Admin. The IT shop should use the following process to access the tool:

How to deploy ICPSCMD:

1. Install ICPS appx
2. Create a folder on desktop or any other location that has full admin access
3. Access the ICPS app folder. You can find the app path using below in command prompt

```
cd %PROGRAMFILES%\WindowsApps\AppUp.IntelConnectivityPerformanceSuite*
```

(For Example, above command directs to C:\Program

Files\WindowsApps\AppUp.IntelConnectivityPerformanceSuite_3.1022.1219.0_x64__121mr4mtzh4gw on my local system)

4. Open the ICPS app folder and copy below files to new folder created in #2

ICPSCMD.exe

ICPSCMDUtil.dll

IntelConnectApi.dll

KillerNetworkServiceLib.dll

RNService.dll

UIUtils.dll

5. Execute commands

ICM command line support

Command	ICM mode
EnableUserChanges	- <On Off> - Allows user to change settings
DisplayGames	- Returns status of display games (On Off)
Defaults	- Puts all settings back to defaults.
Rule	- <Website domain or .EXE> - Will return the priority of the website or .EXE.

Note: IT must have either entered a rule or run the app/website otherwise it will return “No Rule”. This is because ICM determines the priority based on the resources/DLLs used as well as the actual name. Once it is evaluated, the result is cached.