

# New Killer Control Center

Oct, 2018

- New Killer user interface
- Killer intelligence Engine
- Killer GameFast

## Revamped User Interface

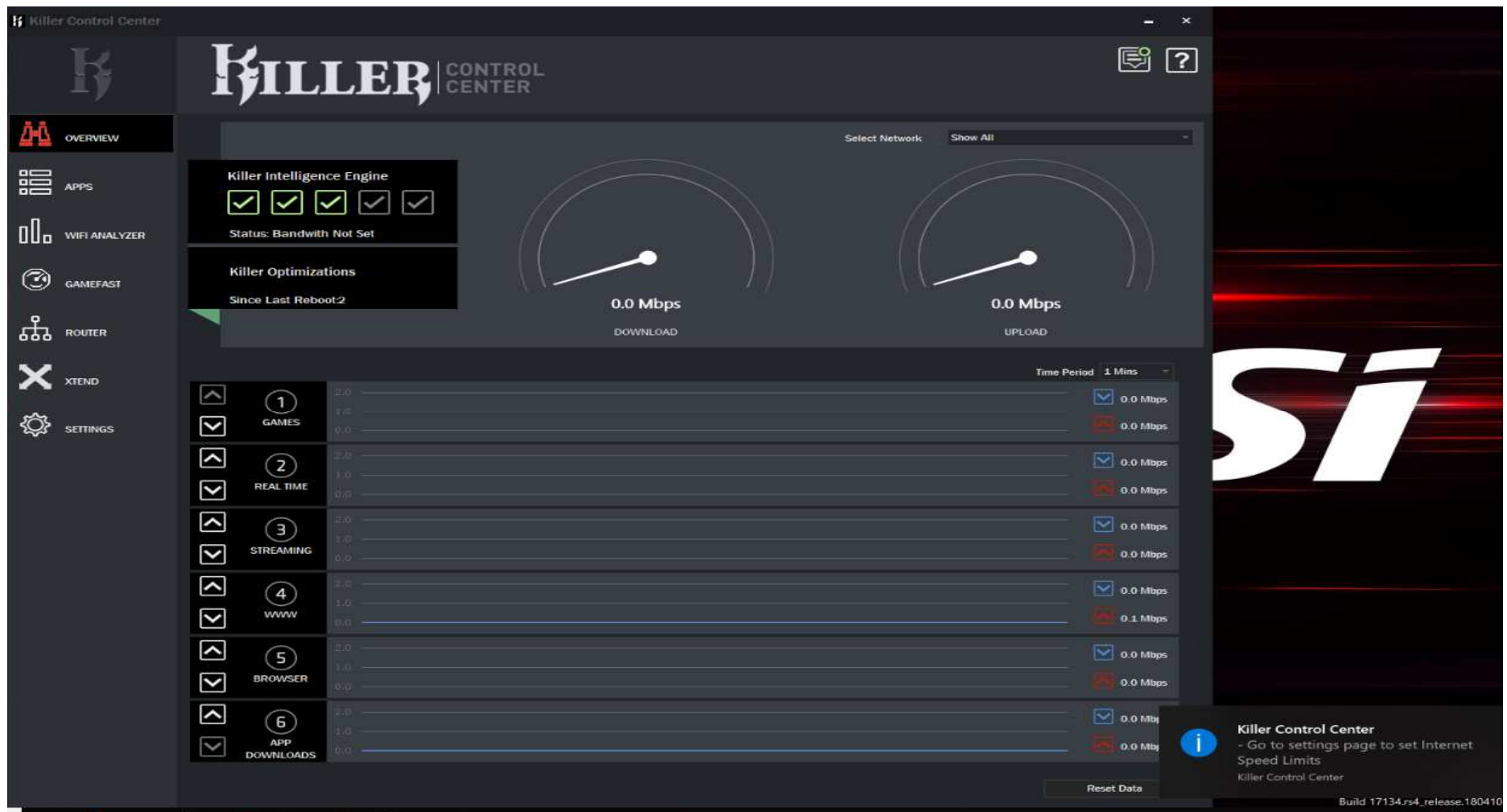
- Refreshed look and feel
  - Feedback from pro gamers /reviewers
- Can handle additional Killer Feature Sets
  - xTend, Killer Router, Killer Intelligence Engine
- Users can easily understand how much Killer is helping
  - Number of packets prioritized, traffic shaping stats, and issues fixed.
- Easy to use API (can integrate into partner control center)
- Easy to Skin (to fit partner branding)



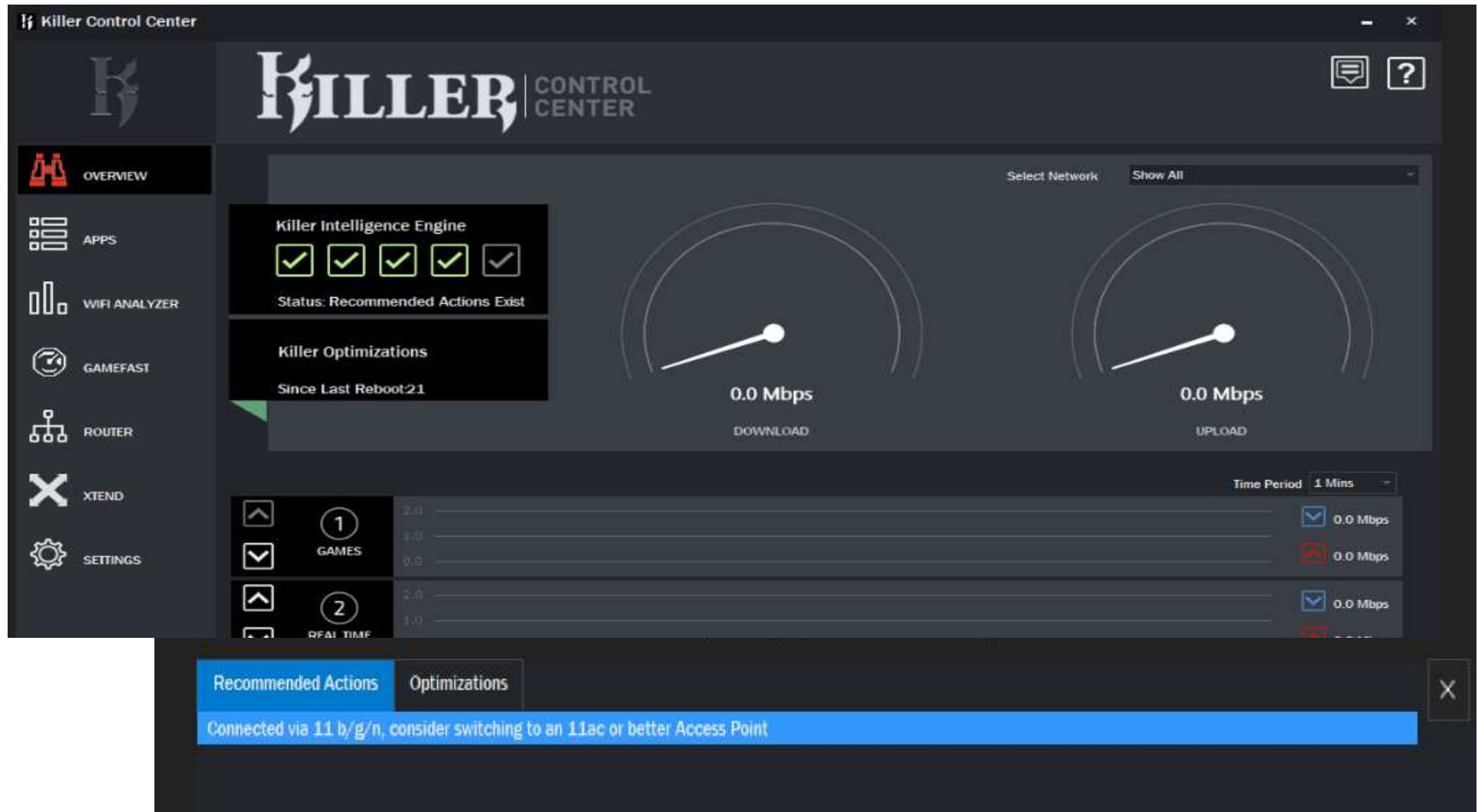
- Overview
- Application
- WiFi analyzer
- GameFast
- \*Router (Killer prioritization engine)
- \*XTend
- Setting

# Killer Control Center - OVERVIEW

- Bandwidth Not Set



# Killer Control Center - OVERVIEW



# Killer Control Center - OVERVIEW

- Fully Optimized



# Application





# WiFi analyzer



The screenshot displays the Killer Control Center application interface. The top bar shows the Killer logo and 'CONTROL CENTER'. The left sidebar contains navigation options: OVERVIEW, APPS, WIFI ANALYZER, GAMEFAST (highlighted), XTEND, and SETTINGS. The main area features a large 'ENABLE GAMEFAST' button and a 'GameFast Optimizations' section with 'Paused' and 'Services Stopped' indicators. Below this, a 'Services To Stop' window is open, showing a list of services with checkboxes. A progress bar indicates the system is 'Preparing to launch Team Fortress 2' and 'Ready to launch in approximately: 5 minutes 58 seconds'. A 'Description' pane on the right provides details for the selected service, Adobe Acrobat Updater.

**KILLER CONTROL CENTER**

OVERVIEW  
APPS  
WIFI ANALYZER  
**GAMEFAST**  
XTEND  
SETTINGS

Automatically Enable GameFast when a game is detected

**ENABLE GAMEFAST**

**GameFast Optimizations**

Paused  
Services Stopped

**Services To Stop**

Updating Team Fortress 2

Preparing to launch Team Fortress 2...  
Ready to launch in approximately: 5 minutes 58 seconds

☐ Adobe Acrobat Updater  
☒ AllJoyn Router Service  
☐ Application Layer (ASL)  
☐ Application Identity Service  
☐ Application Information Service  
☐ App Readiness Service  
☐ AppX Deployment Service  
☐ avast!IDSAgent  
☐ Avast Antivirus  
☐ AvastWscReporter  
☐ ActiveX Installer (AxInstSV)  
☐ BitLocker Drive Encryption Service  
☐ BattlEye Service  
☐ Base Filtering Engine  
☐ Background Intelligent Transfer Service  
☐ Bonjour Service  
☐ Background Tasks Infrastructure Service  
☐ Computer Browser  
☐ Bluetooth Audio Gateway Service  
☐ AVCTP service  
☐ Bluetooth Support Service  
☐ Capability Access Manager Service  
☐ Connected Devices Platform Service  
☐ Certificate Propagation

☐ Launch game as soon as it's ready

[VIEW UPDATES](#)  
[PLAY GAME](#)

[Reset To Defaults](#)

**Description**

Adobe Acrobat Updater keeps your Adobe software up to date.

Routes AllJoyn messages for the local AllJoyn clients. If this service is stopped the AllJoyn client will not be able to communicate with the server.

Provides support for 3rd party protocol plug-ins for Internet Connection Sharing.

Determines and verifies the identity of an application. Disabling this service will prevent AppLocker from working.

Facilitates the running of interactive applications with additional administrative privileges. If this service is stopped, the application will not be able to run.

Gets apps ready for use the first time a user signs in to this PC and when adding new apps.

Provides infrastructure support for deploying Store applications. This service is started on demand.

Provides Identity Protection Against Cyber Crime.

管理及運作這部電腦的 Avast 防毒軟體服務。其中包括即時防護、掃描、更新及修復這部電腦的 Avast 防毒軟體服務。其中包括即時防護、掃描、更新及修復這部電腦的 Avast 防毒軟體服務。

Provides User Account Control validation for the installation of ActiveX controls from the Internet.

BDESVG hosts the BitLocker Drive Encryption service. BitLocker Drive Encryption provides security for data on the hard drive.

The Base Filtering Engine (BFE) is a service that manages firewall and Internet Protocol security.

Transfers files in the background using idle network bandwidth. If this service is stopped, the application will not be able to run.

Enables hardware devices and software services to automatically connect to the network.

Windows infrastructure service that controls which background tasks can run on the system.

Maintains an updated list of computers on the network and supplies this list to computers designed to work with the network.

Service supporting the audio gateway role of the Bluetooth Handsfree Profile.

This is Audio Video Control Transport Protocol service.

The Bluetooth service supports discovery and association of remote Bluetooth devices. Stopping this service will prevent the system from discovering and associating with Bluetooth devices.

Provides facilities for managing UWP apps access to app capabilities as well as checking an app's access to capabilities.

This service is used for Connected Devices Platform scenarios.

Copies user certificates and root certificates from smart cards into the current user's certificate store.

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# Killer Control Center - SETTINGS

**Killer Control Center**

**KILLER** CONTROL CENTER

**OVERVIEW**

**APPS**

**WIFI ANALYZER**

**GAMEFAST**

**ROUTER**

**XTEND**

**SETTINGS**

**Network Settings**

Network	Wired Network
State	Connected
Download Speed	50.00 Mbps
Upload Speed	10.00 Mbps

Set Speed Limits

**Adapter Information**

Adapter	Killer E2500 Gigabit Ethernet Controller
IP Address	192.168.5.201
IP V6 Address	::
Gateway	192.168.5.1
Net Mask	255.255.255.0
MAC Address	30-9C-23-8C-B5-A2

**System Settings**

Advanced Stream Detect: ☒ On

Access Point List

## ● Killer Intelligence Engine

## Killer Intelligence Engine

Killer works at different levels to improve the user experience.

- Standard Killer Optimizations: Optimizations based on specific user set up and use case.
- Auto correction: Killer automatically fixes an issue that is occurring
- User Notification: A notification event where something may require user intervention

The updated Killer Control Center will:

- Track historical performance
- Track Killer benefits
- Suggests user actions



## Killer Intelligence Engine

- 1 Check – No Killer Adapters Connected
- 2 Checks – ASD 2.0 Disabled
- 3 Checks – Bandwidth Not Set
- 4 Checks – For notification ex. 11 b/ g/ n AP router
- 5 Checks – Fully Optimized

Recommended Actions		Optimizations	X
Occurrences	Event		
1	Current network optimized for improved performance (Whiter_5GG)		
1	Advanced Stream Detect Enabled		
2	Current network optimized for improved performance (Killer-2G)		
3	Killer Router detected. Router is set to prioritize traffic from Killer enabled PC		
1	Killer DoubleShot Enabled.		
10	Video traffic detected and prioritized		
5	Download traffic detected and will not impact higher priority traffic		
137	Broadband connection fully utilized. All traffic detected and optimized		
1	Priority 1 traffic detected and is prioritized above all other traffic		
1	Download traffic has been detected and will not impact higher priority traffic		



# Killer Intelligence Engine

Occurrences	Event
14	Video traffic detected and prioritized
3	Current network optimized for improved performance ()
12	Download traffic has been detected and will not impact higher priority traffic
7	Priority 1 traffic detected and is prioritized above all other traffic
72	Current network optimized for improved performance (Rich)
6	Download traffic detected and will not impact higher priority traffic
2	Wireless connection unstable, traffic moved to Ethernet
1	Wireless connection now stable and being utilized
58	Broadband connection fully utilized. All traffic detected and optimized
1	Killer DoubleShot Enabled.
2	Bandwidth limits set for current network Whiter_5GG)
4	Current network optimized for improved performance (Killer-2G)
3	Killer Router detected. Router is set to prioritize traffic from Killer enabled PC
171	Current network optimized for improved performance (Whiter_5GG)
1	Current network optimized for improved performance (Killer-5G)
1	Killer DoubleShot has been activated



## Killer GameFast

## GameFast

- GameFast pauses non-critical services when games are running
- This ensures that games get the maximum system resources
- How it works:
  - Killer uses Advanced Stream Detect to identify games
  - When a games are running, GameFast automatically pauses certain services to free system resources
  - When games are not running, all services are turned back on.
- Optional User Interface – User can pick additional services to be paused
- Black List – Certain critical services are blocked from being paused

The screenshot displays the Killer Control Center application window. The interface is dark-themed with a sidebar on the left containing navigation icons for Overview, Apps, WiFi Analyzer, GameFast (selected), Router, Xtend, and Settings. The main content area is titled 'KILLER CONTROL CENTER' and features a large green circle with the word 'ACTIVE' and a 'Click to Disable' button. To the right, 'GameFast Optimizations' are shown: '197 MB' of memory freed and '34' services stopped. Below this, a 'Services To Stop' table lists various Windows services with checkboxes and descriptions.

Name	Description
<input checked="" type="checkbox"/> AllJoyn Router Service	Routes AllJoyn messages for the local AllJoyn clients. If this service is stopped the AllJoyn clients...
<input type="checkbox"/> Application Layer Gateway Service	Provides support for 3rd party protocol plug-ins for Internet Connection Sharing
<input type="checkbox"/> Application Identity	Determines and verifies the identity of an application. Disabling this service will prevent Appl...
<input type="checkbox"/> Application Information	Facilitates the running of interactive applications with additional administrative privileges. If ...
<input type="checkbox"/> App Readiness	Gets apps ready for use the first time a user signs in to this PC and when adding new apps.
<input type="checkbox"/> AppX Deployment Service (AppXSVC)	Provides infrastructure support for deploying Store applications. This service is started on dem...
<input type="checkbox"/> ActiveX Installer (AxinstSV)	Provides User Account Control validation for the installation of ActiveX controls from the Inter...
<input type="checkbox"/> BitLocker Drive Encryption Service	BDESVC hosts the BitLocker Drive Encryption service. BitLocker Drive Encryption provides sec...
<input type="checkbox"/> Base Filtering Engine	The Base Filtering Engine (BFE) is a service that manages firewall and Internet Protocol secur...
<input type="checkbox"/> Background Intelligent Transfer Service	Transfers files in the background using idle network bandwidth. If the service is disabled, then ...
<input type="checkbox"/> Background Tasks Infrastructure Service	Windows infrastructure service that controls which background tasks can run on the system.
<input type="checkbox"/> Computer Browser	Maintains an updated list of computers on the network and supplies this list to computers des...
<input type="checkbox"/> Bluetooth Audio Gateway Service	Service supporting the audio gateway role of the Bluetooth Handsfree Profile.
<input type="checkbox"/> AVCTP service	This is Audio Video Control Transport Protocol service
<input type="checkbox"/> Bluetooth Support Service	The Bluetooth service supports discovery and association of remote Bluetooth devices. Stoppi...
<input type="checkbox"/> Capability Access Manager Service	Provides facilities for managing UWP apps access to app capabilities as well as checking an a...
<input type="checkbox"/> Connected Devices Platform Service	This service is used for Connected Devices Platform scenarios
<input type="checkbox"/> Certificate Propagation	Copies user certificates and root certificates from smart cards into the current user's certific...
<input type="checkbox"/> Client License Service (ClipSVC)	Provides infrastructure support for the Microsoft Store. This service is started on demand and ...
<input type="checkbox"/> COM+ System Application	Manages the configuration and tracking of Component Object Model (COM)+ based compone...

On the right side of the image, a portion of a video player is visible, showing a first-person shooter game with a robotic arm. The video player interface includes a title bar, a search bar, and a list of video thumbnails.



Thank you