

## TGX Release Notes, Version 2025.1

### 2025.1.0

#### *Items requiring both Sender and Receiver to be Updated*

- ✓ Add support to launch an application on Windows-based Senders upon connection. See the TGX User Guide for more details.
- ✓ Add support to configure TGX to draw always-visible text banners on the Receiver while connected to a remote desktop. The TGX Sender can additionally be configured to terminate the incoming connection if the TGX Receiver is not capable of showing the banner (e.g. releases prior to 2025.1). See the TGX User Guide for more details.

#### *Sender updates*

- ✓ Add support for broker-attested TGX connections on Windows Senders, where the broker first authenticates the user without TGX requesting credentials and presents the user with a login or lockscreen. This enables organizations to use authentication mechanisms not directly supported by TGX, such as passwordless sign-in. Currently validated with the Leostream broker and Microsoft Web Sign-In.
- ✓ Fix Sender shutdown issue that could delay listening for new connections.
- ✓ Add support for Microsoft Windows Server 2025.

#### *Receiver updates*

- ✓ Add support to automatically retrieve TGX logs when selecting "Connect with debug logging" from the TGX Launcher.
- ✓ Fix issue where multi-screen displays were present in Windows taskbar.
- ✓ Fix issue with orphaned USB client processes on Receiver.
- ✓ Fix issue where modifier keys (e.g. ALT) could be incorrectly "held down" when returning focus to the Receiver from other applications.

# TGX Release Notes, Version 2024.1

## 2024.1.5

### *Receiver updates*

- ✓ Fix Receiver dependency conflict on some Linux distributions.

## 2024.1.4

### *Receiver updates*

- ✓ Fix issue where under some conditions not all frames of the decoded video stream will be shown, most commonly for Intel or AMD under Windows 11.

## 2024.1.3

### *Items requiring both Sender and Receiver to be Updated*

- ✓ Fix issue on Windows where the uninstallers could fail to fully remove old USB drivers.
- ✓ Fix issue on Linux where text selected in xterm could not be copied into clipboard.
- ✓ Add configuration entry to remove the option to “always disconnect” when closing TGX, so that the user must select disconnect or logout. See DisconnectWithoutPromptingAllowed in TGX Administrator Guide for details.

### *Sender updates*

- ✓ Fix issue on Windows where TGX may fail to switch the Sender to the selected Receiver keyboard language.
- ✓ Fix issue on Windows where TGX could show a black screen upon connect.

### *Receiver updates*

- ✓ Fix issue where TGX could have low frame rates for newer workstation NVIDIA drivers in the R565 and R570 Series.
- ✓ Fix issue where status messages may appear in the wrong location.
- ✓ Fix issue where Receiver connects but may show Sender desktop as a white screen.
- ✓ Fix several Receiver inconsistent behaviors across TGX UI and window modes.

## 2024.1.2

### *Sender updates*

- ✓ Fix issue where some applications complained of an unsupported graphics driver or OpenGL issue with older versions of Windows.

### *Receiver updates*

- ✓ Remove top-most requirement for full screen TGX Receiver.

## 2024.1.1

### *Items requiring both Sender and Receiver to be Updated*

- ✓ Add support to synchronize time zone on Sender to match Receiver.
- ✓ Fix potential clipboard image-conversion issue from BITMAP.
- ✓ Fix Linux clipboard and selection issues where some applications did not see the remote clipboard.

### *Sender updates*

- ✓ Fix potential session manager crash when starting xauth on RH/Rocky/AlmaLinux.
- ✓ Fix issue with some applications not seeing mouse release events on Linux.
- ✓ Fix issue where video provider might not initialize on Windows.
- ✓ Fix issue where tgx\_certificate\_tool could ask for password during certificate generation.
- ✓ Provide more complete error message when failing to import a certificate on Windows.
- ✓ Add support for AlmaLinux 8, 9

### *Receiver updates*

- ✓ Add a checkbox in the disconnect dialog, so that when checked, the disconnect dialog is bypassed and TGX always disconnects when user closes TGX.
- ✓ Add support for AlmaLinux 8, 9

## 2024.1.0

### *Items requiring both Sender and Receiver to be Updated*

- ✓ Reduce latency associated with the audio channel.
- ✓ Extend USB redirection to include all platforms (Windows, Linux, Mac) with cross-platform connections.
- ✓ Add support to anonymize username, hostname, IP, mac address, SID in TGX logs on Sender and Receiver. See “AnonymizeLogs” in Configuration File Settings of TGX Administrator Guide for details.
- ✓ Remove support for TGX direct management of pen data.

### *Sender updates*

- ✓ Add support for desktop reconfiguration and screen blanking on Windows for NVIDIA Geforce and Intel GPUs.
- ✓ Implement a TGX Audio Driver on Windows which provides an audio device if one is not available on the Sender. By default, this audio driver is enabled for connections by a desktop owner. Note, if another virtual audio driver is installed on the TGX Sender (e.g. Video Audio Cable), please uninstall it before TGX installation. If the TGX Sender is a workstation with speakers, the TGX Audio Driver will be set to the default audio device, so that audio is only sent to the TGX Receiver, not to the workstation’s speakers.
- ✓ Add support for Ubuntu 22.04 LTS, RHEL 9 (and derivatives, e.g. Rocky).
- ✓ Fix issue on Linux where TGX could fail to startX for user with newer NVIDIA drivers (e.g. 550.x)
- ✓ Fix issue on Windows where TGX could fail to unblank monitors with newer NVIDIA drivers (e.g. 535.x)

### *Receiver updates*

- ✓ Add support for Ubuntu 22.04 LTS, RHEL 9 (and derivatives, e.g. Rocky), macOS Sonoma 14.
- ✓ Fix issue on Windows where the TGX Receiver could flicker in full-screen mode.
- ✓ Fix issue on Windows where locking the Receiver desktop could leave a TGX Receiver, in full-screen mode, visible.
- ✓ Fix issue on Windows where Receiver shortcuts could be broken after locking desktop with WIN+L

## TGX Release Notes, Version 2023.1

### 2023.1.9

#### *Sender updates*

- ✓ Fix issue where acquisition of TGX license could fail when using FlexLM OPT file to differentiate between users with access-authorized and no-access-rights.
- ✓ Modify format of license checkout to use “domain\username” instead of “username”.

### 2023.1.8

- ✓ Special purpose build, not for general deployment.

### 2023.1.7

#### *Receiver updates*

- ✓ Fix issue on Windows where the AltGr modifier key was not passed to a Linux sender.
- ✓ Fix issue preventing keyboard input for ‘disconnect’ and ‘about’ dialogs.

### 2023.1.6

#### *Sender updates*

- ✓ Provide option on Windows to preserve the existing Sender desktop at disconnection so that upon reconnection the location/size of application windows are unchanged. Details provided in User Guide, under section Other Items.
- ✓ Add two options to the unattended Linux installer: --no-xstartup and --no-desktop-config.
- ✓ Fix issue on Windows where failure to find powershell.exe could cause tgx startup to quit.
- ✓ Fix issue on Linux when a non-TGX process grabs the X server and causes a TGX deadlock.
- ✓ Fix issue where auto-reconnect could fail due to a problem with the credential token.

#### *Receiver Updates*

- ✓ Fix visual artifacts and GUI usability issues on Windows configured with AMD GPU.
- ✓ Fix issue on Linux where ALT+Tab and ALT+FunctionKey were not passed to the Sender.

### 2023.1.5

#### *Sender updates*

- ✓ Fix issue on laptops with integrated and discrete GPUs where TGX could ignore the ProviderGpuPreference set in the config.ini file.

#### *Receiver Updates*

- ✓ Fix issue where keyboard layout may not automatically set on Sender after auto-reconnect.
- ✓ Fix issue with non-ascii characters in pathname or filename of connection files on Windows.

## 2023.1.4

### *Sender updates*

- ✓ Fix issue on Linux causing slow clipboard interaction for some applications.
- ✓ Fix issue preventing AutoReconnect under some network congestion conditions.
- ✓ Add support for notification messages if the Sender loses communication with the License Server. The TGX session will continue for thirty minutes after which the TGX session will be disconnected if communication with license server is not reestablished.

### *Receiver updates*

- ✓ Fix issue on Linux causing slow clipboard interaction for some applications.

## 2023.1.3

### *Sender updates*

- ✓ Fix issue on Windows causing display-configuration to hang with some multi-GPU configurations, including hybrid laptops.
- ✓ Fix issue on Linux causing video provider failure when reconnecting to TGX session due to Xauth issues triggered by X11 forwarding.

## 2023.1.2

### *Sender updates*

- ✓ Fix issue with keyboard matching which could occur when typing in console application, e.g., command prompt or powershell.

## 2023.1.1

### *Sender updates*

- ✓ Fix issue where frame rate did not drop to 0Hz for static desktop on some older NVIDIA GPUS.
- ✓ Fix issue where keyboard layout could be incorrect on lock screen, when Sender locale/keyboard are set to match the Receiver.
- ✓ Fix issue on Rocky 8 where TGX Helper window did not minimize.
- ✓ Fix issue for Sender on Windows where application focus could be lost after interacting with the Receiver's local desktop then returning to TGX.
- ✓ Provide option to delay startup of TGX Sender to wait for NVIDIA GRID license on vGPU enabled VMs, see NvidiaVGpuExpectedCount in Administrator Guide.

### *Receiver Updates*

- ✓ Fix issue associated with case-sensitive hostnames in TGX Launcher history.
- ✓ Save state of "Pin UI" button for the next TGX connection.
- ✓ Add GUI button under "Input Controls" to enable/disable remote mouse during active TGX session. By default, the remote mouse is disabled and TGX uses the position of the local (Receiver) mouse to draw the cursor icon. The use of the local mouse is highly recommended for most work flows as it provides the fastest mouse-cursor response when interacting with the

remote desktop. By enabling the remote mouse, TGX uses the position of the remote (Sender) mouse to draw the cursor icon. This mode reduces the separation between the mouse cursor and dynamic visual feedback, e.g., dragging, drawing, mouse-overs, and similar actions. However, this mode also increases latency between physical-device and mouse-cursor motions which is not optimal for most work flows.

## 2023.1.0

### *Items requiring both Sender and Receiver to be Updated*

- ✓ Add support for image quality (IQ) values beyond 100 to accommodate extreme workflows that require very high bandwidth to ensure little or no artifacts. Note for most workflows the default IQ value of 68 is recommended. Selection of values beyond 100 are not recommended for bandwidth limited networks.
- ✓ Add support for TGX to monitor changes in video latency and bandwidth usage as an indicator of network congestion and reduce the rate of frame requests while the network recovers.
- ✓ Add GUI widget on TGX to show an estimate of network latency between Sender and Receiver. More bars represent lower network latency. During congestion recovery, the latency widget will be grayed out and an exclamation point will be overlaid on the widget. If this occurs frequently, please reduce IQ and/or framerate.
- ✓ Remove support for AVC.444 encode/decode and use HEVC.444. Note this removes support for 444 if the Sender is not capable of HEVC.444.

### *Sender Updates*

- ✓ Fix issue where use of config entry “AllowedCipherList” to select the cipher suite could be ignored.
- ✓ Fix issue on Windows Sender where the presence of “Interactive Logon Message” popup can block TGX while clearing or retrieving logs.
- ✓ Fix issue where loss of communication between Sender and license server could leave the Sender desktop unlocked.

### *Receiver Updates*

- ✓ Add IQ slider to the TGX GUI of the Receiver to allow IQ modifications in real time. Note the initial IQ value at connection is still set by the IQ slider in the TGX Launcher or the TGX connection file. In a future release, the IQ slider will be removed from the Launcher.
- ✓ Changed lower bound of framerate slider to 6 frames per second.
- ✓ Remove timeout of authentication dialog so that dialog remains open until user submits login/password or closes the dialog.
- ✓ Fix issue where a held key in the Receiver at loss of focus would autorepeat on a Linux Sender.
- ✓ Fix issue where display timeout for Clipboard messages was too short.
- ✓ Fix issue where execution of Ctrl+Alt+Del on a Windows Receiver would also send the key sequence to a Linux Sender.
- ✓ Fix issue where desktop reconfiguration could fail when using connection file set to match primary monitor or all monitors.

## TGX Release Notes, Version 2022.2

### 2022.2.3

#### *Sender Updates*

- ✓ Fix delays in mouse cursor shape updates on Windows

### 2022.2.2

#### *Sender Updates*

- ✓ Fix multiple issues with connections and/or reconnections to Linux desktop
- ✓ Fix issue with NVIDIA initialization on virtual GPUs that could prevent desktop reconfiguration
- ✓ Fix issue with AppLocker that prevented the addition of keyboard layouts on Windows

#### *Receiver Updates*

- ✓ Fix issue on HEVC-444 Intel decoder that could produce the wrong color
- ✓ Fix issue with Mac installer that prevented downgrade to an earlier version
- ✓ Fix issue with Auto-Reconnect that prevented multiple reconnect attempts if DNS lookup failed on first attempt
- ✓ Fix issue where disconnecting external monitor that was the primary display would cause TGX to exit instead of reconnecting

### 2022.2.1

#### *Sender Updates*

- ✓ Fix issue where toggle of color button occasionally pauses frames for a few seconds.
- ✓ Fix issue on Linux which could cause an erroneous logout message shortly after starting connection.
- ✓ Fix issue where cursor icon and size may be drawn incorrectly on Windows when using high DPI display.
- ✓ Fix issue on Windows where clipboard transfer could fail, Sender to Receiver.
- ✓ Fix issues on RHEL/Centos 7 when connecting to user session started from the desktop greeter.

#### *Receiver Updates*

- ✓ Fix issue where collapsible menu does not appear when mouse can move above the screen.
- ✓ Fix issue where prompt for SSL certificate could fail leaving TGX in a frozen state.
- ✓ Fix issue where Best-Fit button was ignored in Scale-to-fit mode.



## 2022.2.0

### *Items requiring both Sender and Receiver to be Updated*

- ✓ Add support for full color (chroma 4:4:4). The use of full color eliminates artifacts from chroma subsampling, which are most obvious with text on low contrast background or highly detailed visualization. The user can toggle full color on and off during a TGX session, as full color may use higher bandwidth and result in lower framerates.

### *Receiver Updates*

- ✓ Add support for Apple Silicon.
- ✓ Add support for Windows 11.
- ✓ Add support for GPU decoding of full color on Windows for capable Intel and NVIDIA cards and on Linux for capable NVIDIA cards. All other OS/GPU combinations will utilize software decoding for full color.
- ✓ Add support for GPU decoding on all Receivers for capable AMD cards and on Linux for capable Intel and NVIDIA cards when using chroma subsampling (4:2:0).
- ✓ Show banner at the bottom of screen if Linux Sender is unable to add display to active X session during reconfiguration request.
- ✓ Save current state of "Enable Large Clipboards" when user exits TGX.
- ✓ Fix issue where a collaborator without input rights could use CTRL+ALT+DEL.
- ✓ Fix issue on Linux Receiver where audio was silent although audio volume slider was > 0.
- ✓ Fix issue where TGX did not automatically disconnect when a user logs out of local Mac client.
- ✓ Fix issue where TGX Launcher was not adding new connections to the 'save list' until the Launcher was closed.
- ✓ Modify installation process on Linux to require all dependency packages to be on the system before installing TGX.
- ✓ Fix issue where pasting an image into Microsoft Teams would fail.

### *Sender Updates*

- ✓ Implement optional audit logging of connect/disconnect information, requires Admin configuration.
- ✓ Add support for software-based encoding on Linux Senders without an encode capable GPU when using chroma subsampling (4:2:0).
- ✓ Add support for Windows 11.
- ✓ Fix issue where wrong or no cursor icon was occasionally shown on Windows receiver with multiple displays.
- ✓ Fix issue where TGX Sender could produce entries in Xorg log file resulting in a very large file.
- ✓ Fix issue where change in locale/keyboard could cause some applications on Sender to freeze.
- ✓ Modify installation process on Linux to require all dependency packages to be on the system before installing TGX.

## TGX Release Notes, Version 2022.1

### 2022.1.5

#### *Sender Updates*

- ✓ Fix issue where Video Providers could fail on Linux if home directory is mounted from network storage.
- ✓ Fix issue where Video Providers could fail on Windows headless Sender with Geforce GPU.

### 2022.1.4

- ✓ Special purpose build, not for general deployment.

### 2022.1.3

#### *Items requiring both Sender and Receiver to be Updated*

- ✓ Update USB redirection to improve performance for HID devices, including pen tablets.

### 2022.1.2

#### *Receiver Updates*

- ✓ Fix issue where Intel Receivers would exit with an error whenever a collaborator was present.
- ✓ Fix issue where Receiver could stop updating remote desktop video stream for senders with multiple monitors.

#### *Sender Updates*

- ✓ Fix issue where TGX could show duplicate mouse for Windows senders.
- ✓ Fix issue where Windows TGX service could stop responding if Receiver was cancelled before connection was complete.

### 2022.1.1

#### *Receiver Updates*

- ✓ Fix issue with loss of SHIFT key due to conflict with other applications, e.g., Skype for Business.
- ✓ Reduce latency associated with pen tablet interactions.
- ✓ Save current state of “Enable Keyboard Shortcuts”, “Enable Tablet Pen Input” and “Enable Tablet Pen Line” when user exits TGX.

## 2022.1.0

### *Items requiring both Sender and Receiver to be Updated*

- ✓ Implement a new video streaming model. Target framerate is still set by the user, however, now the Sender provides a new frame only if the window manager indicates that the image on one or more monitors has changed. When the Sender desktop is static or slowly changing the frame rate will be low (potentially 0hz) which provides the benefit of low GPU/CPU utilization by TGX on both the Sender and Receiver. Active desktops will continue to produce higher frame rate and TGX utilization of the GPU/CPU will be the same as with previous versions of TGX. As the rate of change on the Sender desktop increases/decreases TGX will quickly respond and continue to provide a like-local experience.
- ✓ Implement option to support pen tablets (e.g., Wacom) by sending pen data messages directly to the Sender. TGX encrypts and sends these messages as part of its standard TCP-based network transmissions. This implementation allows more frequent updates of pen location, pressure sensitivity, tilt, and rotation which improves user experience compared to USB redirection. Currently this option only works with applications (e.g., Photoshop) that support Windows Ink, otherwise please continue to use USB redirection.

### *Sender Updates*

- ✓ Fix issue with show/hide of TGX Helper on Linux with no system tray.
- ✓ Fix issue with audio on Receiver if changes are made to playback device property values (Windows only).
- ✓ Fix issue so that TGX will only authorize users in the Remote Desktop group on Sender, if RdpSidCheck is enabled in config.ini

### *Receiver Updates*

- ✓ Add support to identify and manage USB devices that should be automatically shared for USB redirection upon TGX connection.
- ✓ Add support to provide “Altkey + scrollwheel” action to Sender
- ✓ Add support for “domain\user@xyz.com” user login format
- ✓ Fix issue where unexpected TGX exit would leave shared USB devices in a shared state.
- ✓ Misc UI changes
  - Add support to ‘pin’ TGX collapsible menu.
  - Implement config entry to assign position of collapsible menu as left/center/right to ease conflict with full-screen menus of another application (e.g., Microsoft Teams).
  - Add “Best Fit” button when Receiver is in Window mode to resize and center window as TGX would upon connection.
  - Modify Mini-Map to snap viewing area in place when near screen edges.
  - Modify Mini-Map depiction of local displays in Multi-Screen mode.
  - Replace combo-box selector for “full resolution” or “scale to fit” with single button to turn on/off 1:1 resolution.

## TGX Release Notes, Version 2.2

### 2.2.2

*Items requiring both Sender and Receiver to be Updated*

- ✓ Fix issue where “TGX Sender is busy” could block all subsequent connection attempts.

*Sender Updates*

- ✓ Fix several issues which could cause “Video Provider” failures.

### 2.2.1

- ✓ Special purpose build, not for general deployment.

### 2.2.0

*Items requiring both Sender and Receiver to be Updated*

- ✓ Implement Auto-Reconnect feature. TGX Receiver will automatically attempt to reconnect when recognizing common network interruptions (e.g., VPN restart, network adapter switch). Using default configuration, reconnection is possible if network is restored within 2-3 minutes of Receiver recognizing the network is down.
- ✓ Updated drivers/services associated with USB redirection. Note Teradici or other products that use Eltima or ElectronicTeam USB redirection must be uninstalled before TGX can install USB.

*Sender Updates*

- ✓ Fix issue with TGX erroneously reporting a license failure when both expired and active licenses were present.
- ✓ Fix issues identifying user’s existing X11 when Linux host is part of a Windows domain.
- ✓ Fix issues with TGX services setting up for next TGX connection.

*Receiver Updates*

- ✓ Fix issue with loss of keyboard input when using TGX keyboard shortcuts.
- ✓ Remove “Clear Logs” from the Launcher to prevent user from deleting logs on Sender that were created by a different user.
- ✓ Add connection file option to prevent user from selecting “Use Sender monitors” in the TGX Launcher.
- ✓ Add support for macOS Big Sur 11.4

## TGX Release Notes, Version 2.1

### 2.1.3

*Items requiring both Sender and Receiver to be Updated*

- ✓ Implement Application packet Keepalive, overrides TCP Keepalive

*Sender Updates*

- ✓ Fix issue where MaxCollab=1 config entry prevented any connection
- ✓ Modify Sender to notify the Receiver if Sender is busy with a previous network connection. Receiver will show dialog box that Sender is busy and notify user to manually reconnect
- ✓ Modify Sender installer for RHEL/CENTOS 8 to allow user to specify if TGX can start a new X session
- ✓ Add support for Ubuntu 18.04 and 20.04 Senders
- ✓ Modify TGX Install Guide for Linux Senders

*Receiver Updates*

- ✓ Fix inconsistent behavior when toggling between Full-screen, Multi-screen, Restore, Maximize modes
- ✓ Fixed DPI-related issues causing incorrectly sized Receiver windows on multiple-monitor desktop
- ✓ Add support for Ubuntu 18.04 and 20.04 Receivers
- ✓ Under condition where version 2.1.3 Sender notifies the Receiver it is busy, the Receiver will wait five seconds and automatically attempt a reconnect to the Sender.

### 2.1.1 and 2.1.2

- ✓ Special purpose build, not for general deployment

### 2.1.0

*Items requiring both Sender and Receiver to be Updated*

- ✓ Support for multi-monitor configuration on all Receiver platforms (Windows, Linux, macOS)
- ✓ Improvements to Launcher GUI to support visual selection of Receiver monitors
- ✓ (Windows only) Sender will match Receiver's DPI scale when configuring the desktop
- ✓ Improved handling of Sender DPI scaling, especially per-display mouse cursor size
- ✓ Extend RemoteDesktop option in connection file to show the Launcher GUI allowing the user to visually select Receiver monitors and set other options
- ✓ Fix issue where use of clipboard could cause some applications to lock up when copying large amounts of data

*Sender Updates*

- ✓ Add support for RHEL8 for Sender

### *Receiver Updates*

- ✓ For a new connection, default to the current username when prompting for credentials, otherwise default to the last provided username per connection
- ✓ Visibility of the Receiver control bar is automatically toggled based on mouse position relative to the top of screen when in Full Screen or Full Desktop modes
- ✓ MiniMap control is now a toggle button in the Receiver control bar for easier access
- ✓ Improved decoding performance on macOS
- ✓ Add support for RHEL8 for Receiver
- ✓ Add config entry to set the default capture rate
- ✓ Add config entry to enable shortcuts for switching window mode (min/max/win/full)

## TGX Release Notes, Version 2.0

### 2.0.3

#### *Receiver Updates*

- ✓ Fix issue where USB connect/disconnect could lead to a corrupt USB state on the Receiver.
- ✓ Modify USB GUI to change the highlight color of the USB selected device to reflect progress of a connection action. Upon pressing Connect, the highlight changes from Blue (connection initiated) to Yellow (in progress) to Green (connection complete).
- ✓ Fix issue where some USB devices indicated they were available for sharing but did not properly connect to the Sender.

### 2.0.2

#### *Sender Updates*

- ✓ Fix issue where default port setting in config.ini was ignored
- ✓ Fix issue with TGX session failing on Linux senders if monitors turned off on inactivity
- ✓ Fix issue with TGX failing to reconnect to RHEL6 sender after a previous session had failed
- ✓ Fix issue where TGX sporadically pauses video for one minute
- ✓ Fix issue when using connection files where authentication would fail for email-address style username or use of space characters in username or password
- ✓ Fix issue with TGX failing to configure displays with high refresh rates

#### *Receiver Updates*

- ✓ Fix issue on Mac Receiver where modifier keys (e.g. SHIFT) could become stuck
- ✓ Fix issue when using Japanese keyboard where TGX shows the wrong mouse pointer

### 2.0.1

#### *Items requiring both Sender and Receiver to be Updated*

- ✓ Fix issues with install / uninstall of USB components that could interfere with local USB functionality. Introduces new mandatory reboot points in TGX install process
- ✓ Improve support for non-US keyboards
- ✓ Modify certificate fingerprints to be case insensitive
- ✓ Ensure certificate chain serves the intermediate certificates if available

#### *Sender Updates*

- ✓ Fix audio playback for TGX Senders running Windows version prior to Windows 10
- ✓ Implement additional logging for network and video chain

#### *Receiver Updates*

- ✓ Ensure TGX Receiver application cannot be pinned to taskbar under Windows
- ✓ Fix issue where modifier keys (e.g. SHIFT) could become 'stuck'
- ✓ Fix issue where OSX hotkeys on Receiver could cause stuck modifier keys

## 2.0.0

### *Items requiring both Sender and Receiver to be Updated*

- ✓ Requires only a single port to be open in the firewall.
- ✓ Ensures backward compatibility with future 2.X releases. (Note version 2.0 is not compatible with 1.X versions of TGX)
- ✓ Modifications to make the MiniMap smaller and scale better with different desktop configurations. Added option in TGX Receiver GUI to tie the visibility of the MiniMap to the visibility of the TGX GUI.
- ✓ Add support for IPv6 network address
- ✓ Add "Clear Logs" menu item to the TGX Launcher
- ✓ Modifications to improve audio
- ✓ Support for pass-thru of multiple USB devices (Windows to Windows)
- ✓ Removed constraint to limit the number of collaborators to 4. The default is still set to 4 collaborators (including the owner of the session). This value is changeable on Sender by an Administrator.
- ✓ Improved message handling of TGX connect/disconnect, desktop reconfiguration, clipboard, and network dropouts.
- ✓ Improved overall TGX stability