

ToolBox v4

User Guide

2025 December



Chyron • ToolBoxUser Guide • v4.0.1 • December 2025 • This document is distributed by Chyron in online (electronic) form only, and is not available for purchase in printed form.

This document is protected under copyright law. An authorized licensee of Chyron ToolBox may reproduce this publication for the licensee's own use in learning how to use the software. This document may not be reproduced or distributed, in whole or in part, for commercial purposes, such as selling copies of this document or providing support or educational services to others.

Product specifications are subject to change without notice and this document does not represent a commitment or guarantee on the part of Chyron and associated parties. This product is subject to the terms and conditions of Chyron's software license agreement. The product may only be used in accordance with the license agreement.

Any third-party software mentioned, described or referenced in this guide is the property of its respective owner. Instructions and descriptions of third-party software are for informational purposes only, as related to Chyron products and does not imply ownership, authority or guarantee of any kind by Chyron and associated parties.

This document is supplied as a guide for Chyron ToolBox. Reasonable care has been taken in preparing the information it contains. However, this document may contain omissions, technical inaccuracies, or typographical errors. Chyron and associated companies do not accept responsibility of any kind for customers' losses due to the use of this document. Product specifications are subject to change without notice.

Copyright © 2025 Chyron, ChyronHego Corp. and its licensors. All rights reserved.

Table of Contents

01: Overview.....	4
Main Menu.....	4
02: Grabber.....	5
Session Settings.....	5
Create new session.....	5
Region of Interest.....	5
App.....	6
Screen.....	7
Session settings.....	7
Session.....	7
Setup.....	7
Overlay.....	8
Background (BKG).....	9
Active.....	11
03: Camera Return Signal.....	12
Return Signal Settings.....	13
04: VLC Player.....	14
05: Settings.....	15
General.....	15
Output Settings.....	16

01: Overview

Toolbox is a software that enables users to broadcast any content from your PC via SDI or NDI. It can be easily installed on any laptop / PC.

Key advantages:

- Flexibility and ease of use: Toolbox works with any kind of web content or application
- Quality: Sharpness and Aspect Ratio (Scaling remains true)
- Combines Output and Input with Camera Return Signal Feature

Main Menu

Per default the main menu appears on the upper right corner of your main screen.



The main menu can be minimized by clicking on the arrow next to the Toolbox Icon.

By clicking and holding the cursor over the Toolbox Icon, the Menu can be positioned anywhere on the screen.

02: Grabber

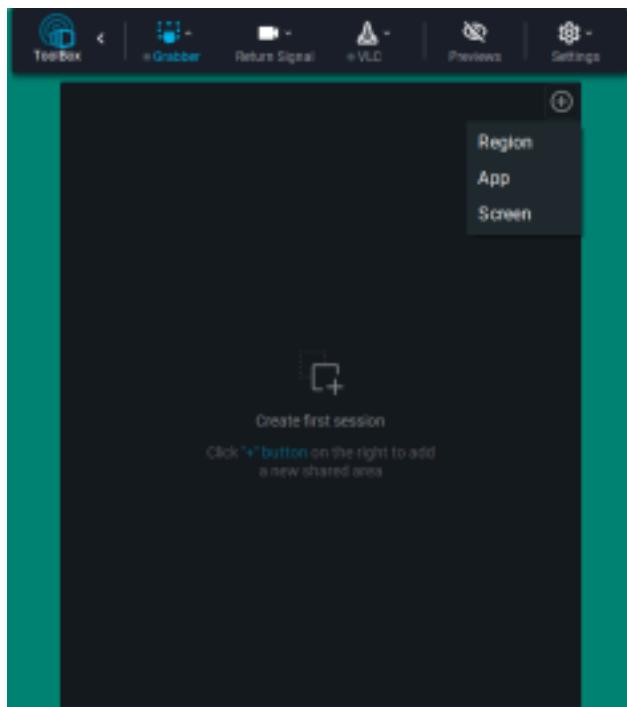
The Grabber allows the user to broadcast any content from your PC (video call, websites, stream, etc.). The user can share a specific Region of Interest only, a full screen or a dedicated Application.

Session Settings

Grabber supports initializing up to 4 sessions simultaneously so that the user can switch between prepared sessions quickly.

Create new session

Open Grabber and click + button. There can be up to 4 sessions simultaneously, but just one session can be “active”.



Region of Interest

Create a “Region of Interest” (ROI) to share via Toolbox. Simply draw the region on your computer with your mouse.

- YELLOW: Session for this region is not active
- RED: Session for this region is ACTIVE



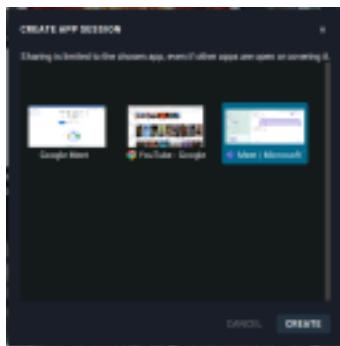
If you hover over the ROI, a shortcut panel appears (icons explained from left to right):

- Lock: Position and ratio of ROI are locked and cannot be changed
- Settings: Opens settings of this session in main Toolbox UI
- Close: Session will be closed
- Activate: (De-)activate this session



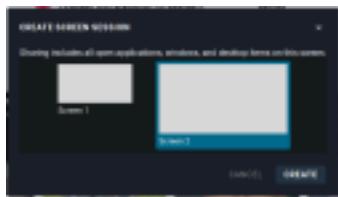
App

Allows to share a dedicated application (application must be "open" at the moment)



Screen

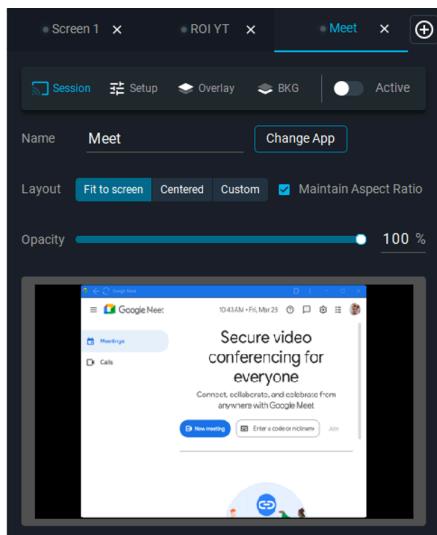
Share an entire screen.



Session settings

Session

- **Name:** Type in any name for this session
- **Layout:** Allows the user to adjust layout and scaling of the output signal
 - **Fit to screen:** Signal will be adjusted to fit to screen width or height
 - **Maintain Aspect Ratio:** Black bars will be added either left/right or top/bottom
 - **Centered:** Signal will be centered to fill as much screen as possible
 - **Custom:** User can customize position, size and aspect ratio within preview window
- **Opacity:** Makes signal transparent

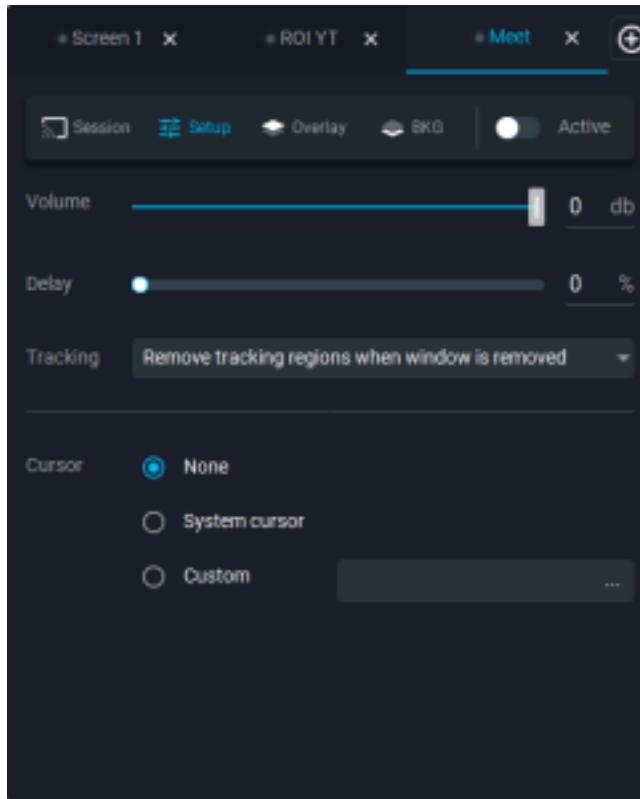


Setup

- **Volume:** Adjust audio signal for output
- **Delay:** If Video and Audio signal are not in sync, Audio signal can be delayed; maximum delay (100%) are 3000 milliseconds
- **Tracking:** Keep / remove region when window is removed

- **Cursor:**

- **None:** Cursor does not appear in signal output
- **System cursor:** Normal cursor will be visible in output
- **Custom:** Cursor will be visible in output as an custom image of your choice



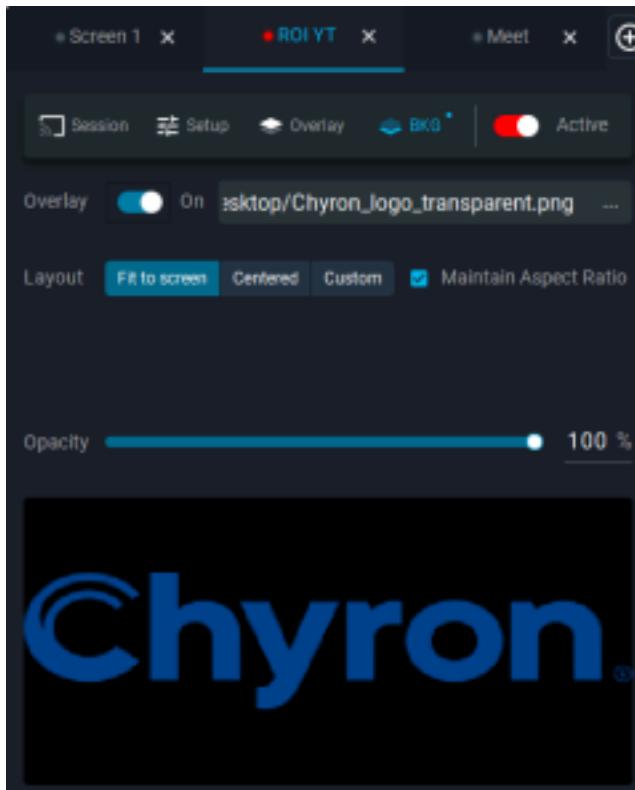
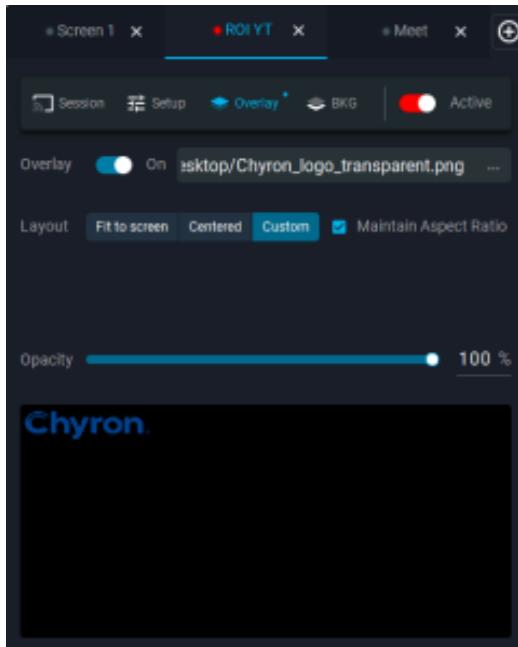
Overlay

Overlay: Select an image or icon and position it anywhere on your output



Background (BKG)

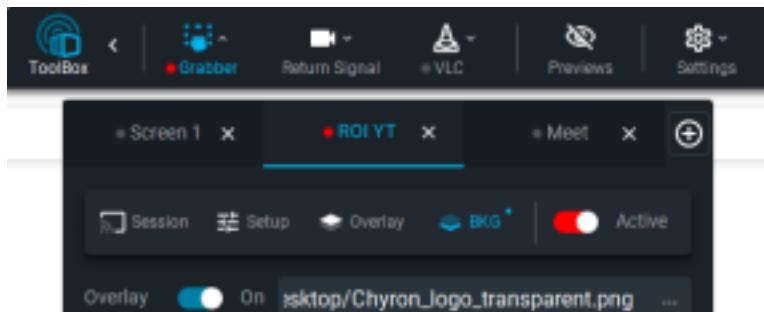
Background image will appear behind the selected ROI, if output does not fit entire screen





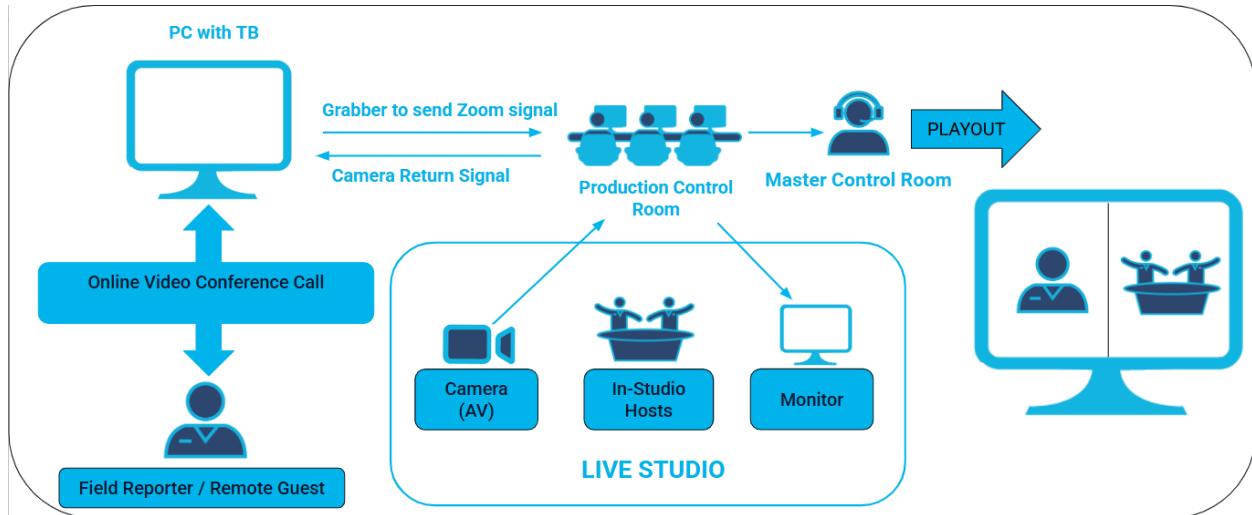
Active

Active: Activates this particular session, output will be visible in Preview; Red dot indicates which session is active at the moment

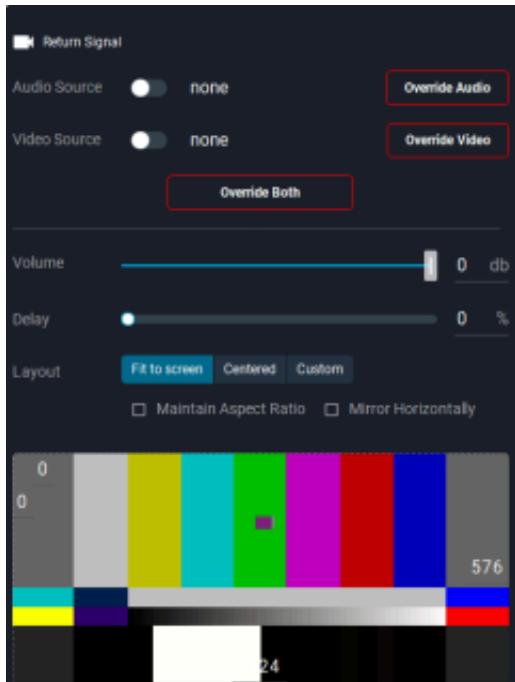


03: Camera Return Signal

Via the Grabber or VLC player the Toolbox can send an audiovisual signal to your selected output. But what if you want to grab a video call while the Journalist is not in front of the computer but already in the studio? The Camera Return Signal functionality allows to ingest the signal from the studio and use it as camera signal on your video conference:



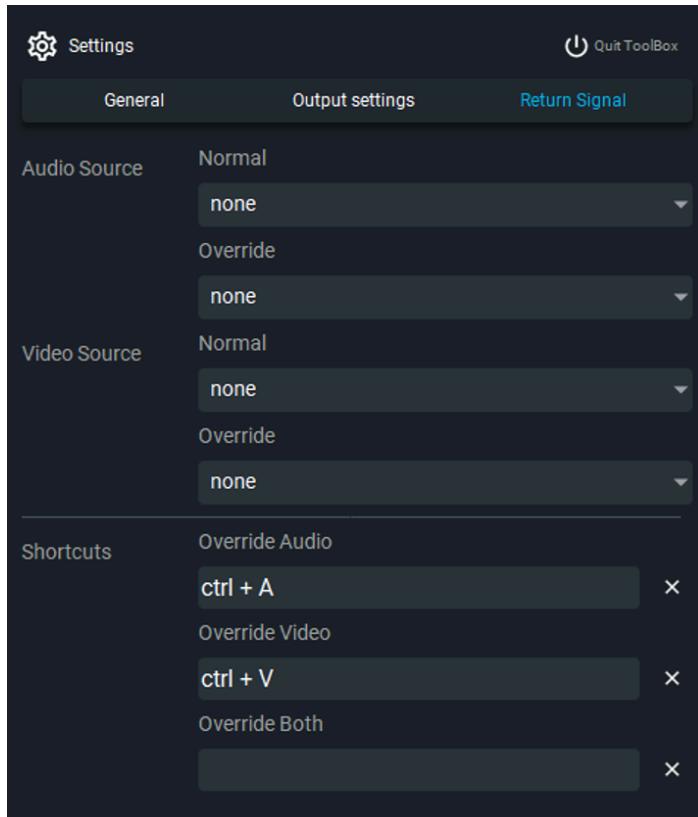
- Audio / Video Source: (De-)Activate currently selected source
- Override: Press and hold to use the “alternative” source for either audio or video or both



Return Signal Settings

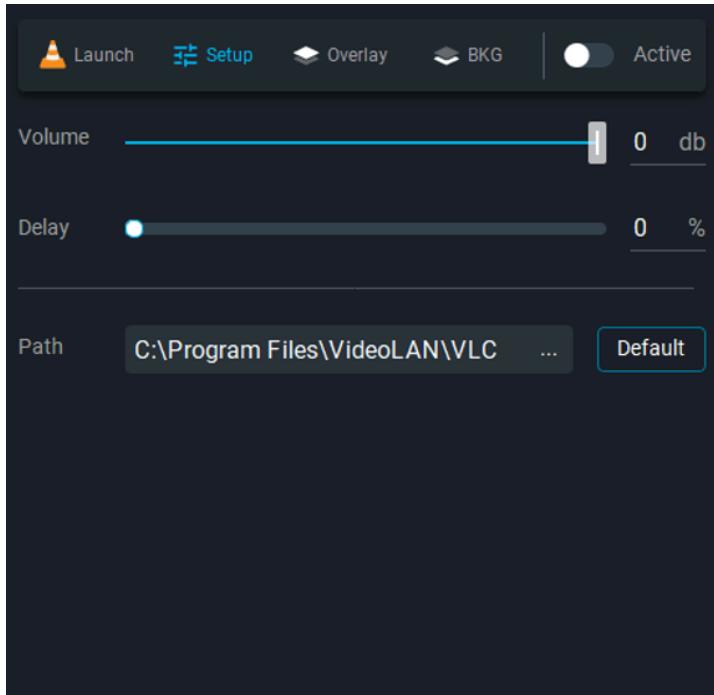
Audio, Video, and Override Sources can be defined in SETTINGS > RETURN SIGNAL.

- **Normal:** The default Audio/Video source
- **Override:** The alternative Audio/Video source, for instance for intercom usage
- **Shortcuts:** Instead of using the Override Button the operator can also define custom shortcuts to activate Override sources



04: VLC Player

Via the integrated VLC player the user can broadcast any video file from the PC. Using the capabilities of VLC player most historic and exotic formats will be supported.



In order to use this functionality the VLC player (version 3.0.17) has to be installed separately.

- **Launch:** Opens the VLC player to select video file
- **Path:** User has to select path to VLC folder

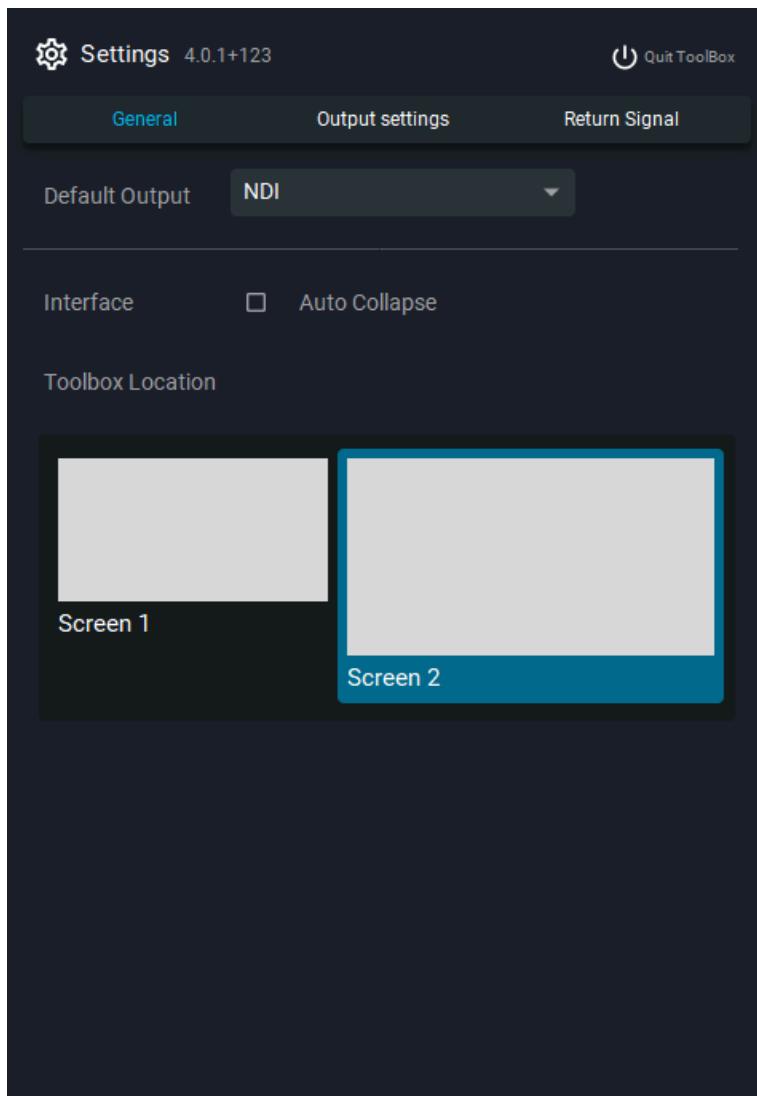
05: Settings

Settings combine main settings for output / input signals.

- Version number: Version and build number of current installation ("4.0.1+123")
- Quit Toolbox: closes Toolbox

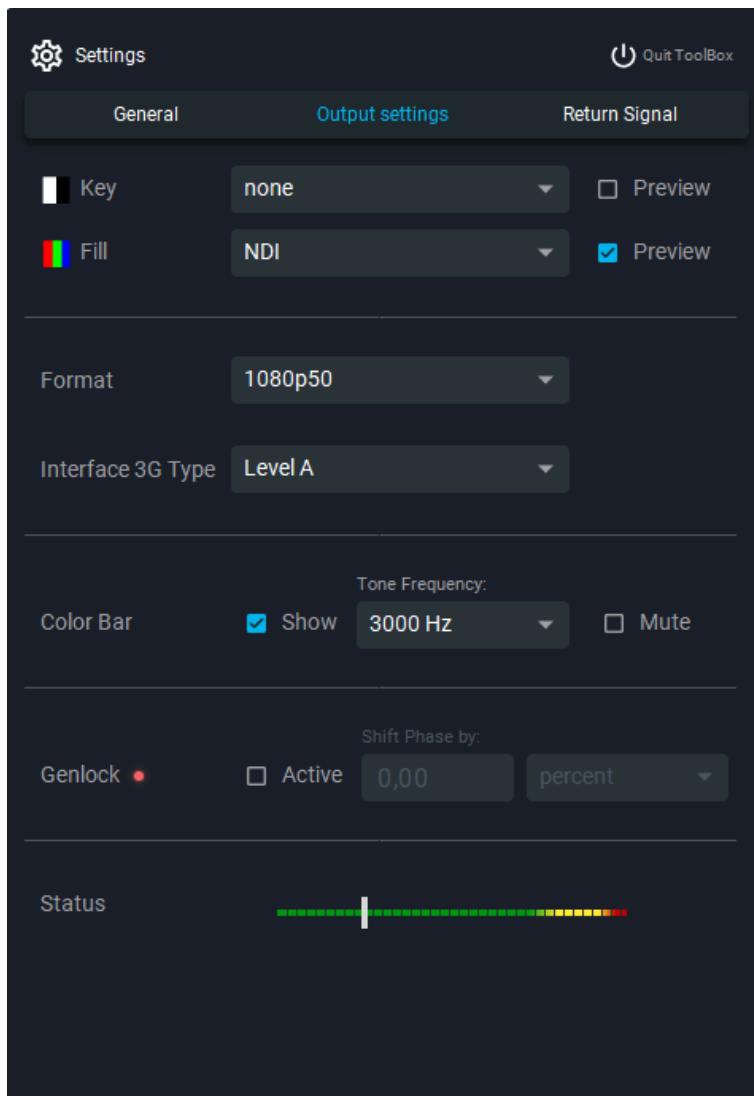
General

- Default Output: Select any of the available outputs
- Auto Collapse UI: Minimizes ToolBox UI automatically
- Screen: Select on which screen ToolBox shall appear on start



Output Settings

- **Key / Fill:** Opens key/fill settings for operator checks
- **Format:** Select output format
- **Interface 3 G Type:** Level A or B can be selected for 1080p formats -> this setting also applies for Return Signal Input
- **Color Bar:** "Show" enables color bar in output if no session is active. Otherwise output will be black. Tone frequency can be muted or changed
- **Genlock:** If genlock is not automatically supported by output hardware, genlock should be enabled
- **Shift Phase:** Gives broadcast engineer the opportunity to switch offset
- **Status:** Indicator for CPU usage on current PC. As soon as the status bar enters the yellow area, frames might be dropped in output.



ABOUT US

Chyron is ushering in the next generation of storytelling in the digital age. Founded in 1966, the company pioneered broadcast titling and graphics systems. With a strong foundation built on over 50 years of innovation and efficiency, the name Chyron is synonymous with broadcast graphics. Chyron continues that legacy as a global leader focused on customer-centric broadcast solutions. Today, the company offers production professionals the industry's most comprehensive software portfolio for designing, sharing, and playing live graphics to air with ease. Chyron products are increasingly deployed to empower OTA & OTT workflows and deliver richer, more immersive experiences for audiences and sports fans in the arena, at home, or on the go.

CONTACT SALES

EMEA • North America • Latin America • Asia/Pacific
+1.631.845.2000 • sales@chyron.com

