Introducing **LiveToAir** *Studio*, the most comprehensive and cost effective solution for integrating **multiple web-connected video guests** into your studio productions.

LA

With *Browser To Broadcast*™ Simplicity.

Experience The Power Of LiveToAir™

LiveToAir brings the world into your studio.

Assemble a nationwide panel of experts to explore any topic. Bring in first hand reports from breaking news events around the globe. Conduct interviews with sports figures or celebrities. Host live debates between political pundits from across the country.

It's all possible with LiveToAir.

LiveToAir provides the most comprehensive and cost effective solution in the market for integrating multiple web-connected video guests into your productions right from their browsers - no special signups or ID's required! It delivers broadcast quality video over standard HD-SDI connections, with a range of audio connection options to match the exact needs of your production workflow.

The future has arrived - and at a price that fits into today's production budgets.

GNURAL NET
From Browser To Broadcast™

p:609.223.2434 | WWW.GNURALNET.COM

LiveToAir *Studio* combines sophisticated software with a powerful hardware platform to deliver a modern video appliance designed for today's all-digital HD production workflows. Leveraging the power of WebRTC, it connects remote guests right from their browser, delivering broadcast quality video and audio into your studio over both HD-SDI and pure IP based connections.

Physically, LiveToAir *Studio*'s single box 4U footprint allows it to easily integrate into any live production rack or studio environment. The software and hardware in the unit is natively multi-standard, covering both NTSC and PAL formats in a choice of SD and HD resolutions. Audio is equally flexible. Beyond SDI embedded audio support, LiveToAir is also compatible with several multi-channel audio interfaces that can add per-guest balanced inputs and outputs to the system.

Its time to break free from the limits of the past and embrace the future.

LiveToAir *Studio*.

LiveToAir *Studio* specifications:

LiveToAir *Studio* HARDWARE

Video Connections	Up to 6 simultaneous input/output connections are available at any time: 　　5 HD-SDI Inputs / 1 HDMI Input 　　5 HD-SDI Outputs / 1 HDMI Output 　　*4 Inputs /Outputs use DIN connectors, 2 Inputs/Outputs use BNC or HDMI connections* All connections are 10-bit SD/HD with independently selectable resolutions
Audio Connections	[DIGITAL] All SDI video connections support up to 8 channels of embedded audio in SD and HD [ANALOG] Line In, Line Out, Mic In (3.5mm Ports)
Supported Video Formats	SD Formats: NTSC 480i, PAL 576i HD Formats: NTSC 720p59.94, NTSC 1080i29.97, PAL 720p50, PAL 1080i25
Monitor Connections	DVI-D, HDMI, Display-Port (Required Monitor Resolution of 1920x1080)
Network Connections	Gigabit Ethernet [RJ-45 Connection]
Device connections	All external devices connect via USB
Power Requirements	AC 120v-240v 600W
Weight	Shipping Weight: 50lbs Unit Weight: 38lbs
Dimensions	19"W x 7"H x 20"D (4U Rackmount Form Factor)

LiveToAir *Studio* SOFTWARE

Guest Connections	Supports 1-4 WebRTC-based Guest Connections
Video Support	4 - Independent outputs for each remote guest 1 - QUAD HD-SDI output with all four guest videos combined in a single QUAD video stream 1 - Input for a video return feed to all of the remote guests
Audio Support	4 - Embedded Audio output for each guest output 1 - Embedded or External Audio output for all guests on QUAD output 1 - Embedded or External Audio input for video returned to remote guests 1 - Analog Audio output of all four guest channels combined (3.5mm Connector) 1 - Analog Audio input for Studio audio (3.5mm Connector) *When Internal Mix-Minus is created for guest channels, return audio should only include studio originated sources.*
Supported Video Formats	SD Formats: NTSC 480i, NTSC 480iWS, PAL 576i, PAL 576iWS HD Formats: NTSC 720p59.94, NTSC 1080i29.97, PAL 720p50, PAL 1080i25

All Specifications Are Subject To Change Without Notice

Contact Your Video Dealer For Pricing and Availability

WebRTC Powered

Introducing the only **remote guest** solution designed for producers on the go. **LiveToAir** *Mobile* supports up to four simultaneous WebRTC-connected guests - all in a **single**, extremely **portable system**.

With *Browser To Broadcast*™ Simplicity.

Go **Mobile** With LiveToAir™

Don't just think outside the box - *think outside the studio*!

LiveToAir *Mobile* can open your video business up to some of the new and exciting production opportunities that are taking place outside of your traditional studio environment.
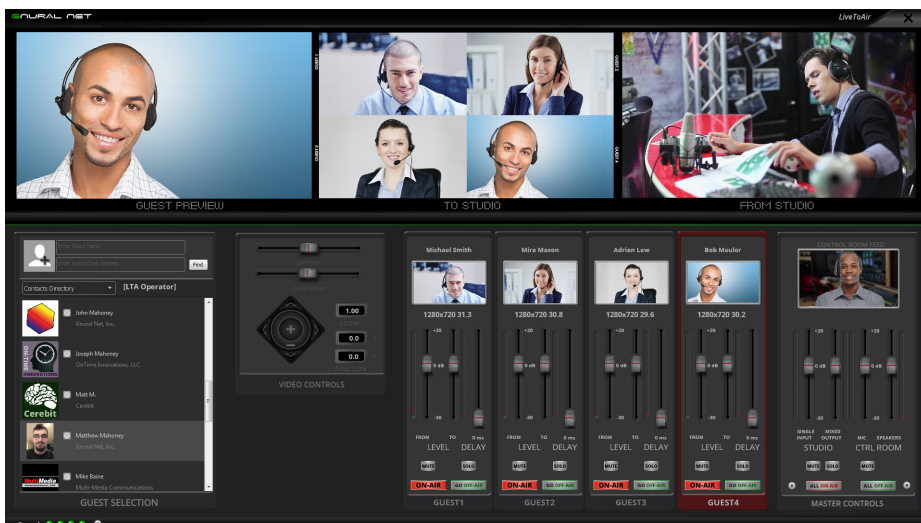
Bring a company's top sales talent from the field into a regional conference to discuss new client opportunities. Bring industry experts into a college lecture hall to share their latest thoughts and insights on new innovations. Bring celebrities into expos and conventions where they can remotely participate on panels. Bring traveling politicians into local townhall meetings to debate issues.

With LiveToAir *Mobile* the opportunities are limitless.

LiveToAir provides the most comprehensive and cost effective solution in the market for integrating multiple, web-connected video guests into your productions. It provides broadcast quality video over standard HD-SDI connections, with a range of audio connection options to match the exact needs of your production workflow.

And now it's available in a portable package you can take anywhere.

It's time to hit the road.

LiveToAir
KEY FEATURES

FOUR GUEST CHANNELS

Each Guest Channel provides:
Live video thumbnails for connected guest
Resolution and Frame Rate indicators
Adjustments for send and return audio level
Audio delay to adjust lip-sync
Auto Mix-Minus feed generated for each guest
Ability to bring guests On-Air / Off-Air independently
An Off-Air video/audio connection to control room
Broken connection preserves last frame On-Air

Each Guest Channel has adjustments for:
Gamma and Contrast
Zoom and Positioning

Also includes:
A single QUAD Feed of video from all four guests

EASY GUEST CONNECTIONS

Connect any guest via a simple directory selection
Send guests a web link that connects them via a WebRTC enable browser like
Chrome, Firefox, or Opera

FULL VIDEO MONITORING

Guest Preview Monitor
Studio Feeds Monitor
Guest Return Video Monitor

WebRTC Powered Infrastructure

GNURALNET

From Browser To Broadcast™

LiveToAir™ *MOBILE* - It's In The Bag

LiveToAir *Mobile* is an amazingly powerful, amazingly portable solution for integrating remote guests into your productions.

Physically, LiveToAir *Mobile* is a 21lb briefcase-sized system. With a built-in Full-HD monitor, it is easy to set up and operate even in small spaces.   The software and hardware that comes with the unit is natively multi-standard, covering both NTSC and PAL formats in a choice of SD and HD resolutions. Audio is equally flexible. Beyond SDI embedded audio support, all LiveToAir systems are compatible with several multi-channel audio interfaces that can add per-guest balanced inputs and outputs to the system.

To help make LiveToAir *Mobile* even easier to carry around, every system comes with a shoulder bag that can hold the unit and everything else you need to use it in your productions.

When it comes to truly portable remote guest solutions, Gnural Net has it in the bag.

LiveToAir *MOBILE* specifications:

LiveToAir *Mobile HARDWARE*

Video Connections	Up to 6 simultaneous input/output connections are available at any time:
	     5 HD-SDI Inputs / 1 HDMI Input
	     5 HD-SDI Outputs / 1 HDMI Output
	4 Inputs /Outputs use DIN connectors, 2 Inputs/Outputs use BNC or HDMI connections
	All connections are 10-bit SD/HD with independently selectable resolutions

Audio Connections	[DIGITAL] All SDI video connections support up to 8 channels of embedded audio in SD and HD [ANALOG] Line In, Line Out, Mic In (3.5mm Ports)
Supported Video Formats	SD Formats: NTSC 480i, PAL 576i HD Formats: NTSC 720p59.94, NTSC 1080i29.97, PAL 720p50, PAL 1080i25
Monitor Connections	DVI-D, HDMI, Display-Port (Required Monitor Resolution of 1920x1080)
Network Connections	Gigabit Ethernet [RJ-45 Connection]
Device connections	All external devices connect via USB
Power Requirements	AC 120v-240v 600W
Weight	Shipping Weight: 38lbs Unit Weight: 21lbs
Dimensions	7.09" (180.06mm) D x 16.78" (462.21mm) W x 14.16" (359.66mm) H (including folded-down handle)

LiveToAir *Mobile SOFTWARE*

Guest Connections	Supports 1-4 WebRTC-based Guest Connections
Video Support	4 - Independent outputs for each remote guest 1 - QUAD HD-SDI output with all four guest videos combined in a single QUAD video stream 1 - Input for a video return feed to all of the remote guests
Audio Support	4 - Embedded Audio output for each guest output 1 - Embedded or External Audio output for all guests on QUAD output 1 - Embedded or External Audio input for video returned to remote guests 1 - Analog Audio output of all four guest channels combined (3.5mm Connector) 1 - Analog Audio input for Studio audio (3.5mm Connector) *When Internal Mix-Minus is created for guest channels, return audio should only include studio originated sources.*
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