ON AIR flex
The individual broadcast solution

- Designed for the broadcast environment
- Flexibly configurable Logic Control completely embedded in NEXUS
- Modular system architecture
- System limited by infrastructure only
- IP-based
- Virtual interface, not tied to any operating system
- Audio processing integrated into NEXUS
- Scales multiple audio processes
- Up to 54 input channels on one audio processor
WHAT’S NEW ABOUT ON AIR FLEX

ON AIR flex is the completely flexible mixing console system for broadcasters. It consists of three basic components connected via IP:

The user interface

Two hardware panel types:
- Fader panels with four channel strips each
- Monitor panel with 2 TFT screens
- Light metal framework allows for easy integration into studio furniture
- Fully integrated hardware components

Virtual surface:
- Web browser-based, no app installation required
- Available for Windows, OS X
- Available for mobile platforms: Android, iOS, Windows Phone
- Freely configurable layouts
- Extensive widget library
- Central administration

The audio processor

Audio processing fully integrated into NEXUS:
- Up to 54 input channels
- Up to 32 buses
- 1 stereo / 5.1 monitor channel, separately adjustable headphones
- Up to 3 additional stereo monitor channels
- PFL/AFL stereo bus
- Can be combined with all available NEXUS modules
- Scalable

NEXUS Logic Control

An independent component that links the user interface to the audio processor. Any customer-defined broadcast workflow can be achieved:
- With the individual configuration from Stage Tec
- A special configuration language allows the customer to perform the configuration autonomously
- Integration into tried-and-tested NEXUS logic programming
- Logic Control directly integrated in NEXUS through XACI board, PC not necessary
- Central administration
THE CAPABILITIES OF THE NEW ON AIR FLEX

You can set up your ON AIR flex system to reflect your personal workflow exactly.

- The entire system can be controlled through a virtual user interface on a PC or tablet.
- In the virtual interface you can select from a wide range of control elements precisely the ones you need – the most important elements are also available as hardware.
- Every fader, button and display is located on the touchscreen wherever a user wishes to have it.
- Each user can define their own configuration.
- Modular: Start with a single fader panel and audio processor, and upgrade the NEXUS system as you go.
- User-defined functions can be assigned to the hardware elements as needed.
- The NEXUS Logic Control is freely configurable.

WHERE ON AIR FLEX EXCELS

An unsurpassed series of benefits

- The unique concept with flexible networked components
- Fully integrated into NEXUS
- Intuitive operation, for users with any level of experience
- Contemporary virtual interface with a widget library
- Fully IP-based
- Minimal administrative burden for the system administrator
- Modern modules with tried-and-tested Stage Tec quality
- PC not necessary
ON AIR flex
an overview

Concept
Modular system of IP connected, freely configurable components

Audio connection
Fully integrated into NEXUS, combines with all NEXUS modules

Audioprocessing
- Up to 54 input channels
- Up to 32 buses, freely configurable
- Mix minus matrix 16 x 16
- Multichannel mode: Stereo, 5.1
- Up to 4 monitor channels
- 2 PFL/AFL-Stereobuses

Input channel
- Channel gain, (inside the mixing console)
- Insert and delay (1650ms, plus delay in the NEXUS DSP)
- Equalizer and filter (parametric 4-band EQ and Low Cut and Hi Cut filter)
- Direct output (volume and pre/post switchable)
- Gate/expander and compressor/limiter
- Aux send (pre/post switchable)
- Mix minus one send (pre/post switchable)
- Fader and mute
- Panorama, supports multichannel

Fader panel (OFAD)
- 4 channel strips with 10 buttons each, one rotary encoder, one OLED display
- Fader: 100mm Penny & GilesÆ motor fader, touch sensitive
- Channel grid: 38mm
- Dimensions (width x length): 180mm x 340mm
- Weight: approx. 1100g

Monitor panel (OMON)
- 2 colour TFTs and 2 rotary encoders for fader position and source selection
- the CR channels, various multi-coloured buttons
- Key pad for NEXUS Logic Control
- Dimensions (width x length): 180mm x 340mm
- Weight: approx. 770g

Virtual interface
- Web browser-based, not tied to any operating system
- Freely configurable layouts
- Extensive widget library
- Touch controls
- central administration

Control protocols
- IP-based
- Remote control protocol Ember+

Mechanical
- Panels can be joined consecutively from 1 to 6 panels on request in a light metal enclosure
- Flat frames make installation in desks easy
- Dimensions (width x length x desk depth): 203mm x 363mm x 80mm for one panel, each additional panel: + 180mm width
- Weight: approx. 1800g for one module, additional module + 600g

Power supply
- Integrated in desk cavity
- Permanent redundancy
- Supply voltage: 110V – 230V
- Power supply capacity: 90W for 2 panels, 150W from 3 panels