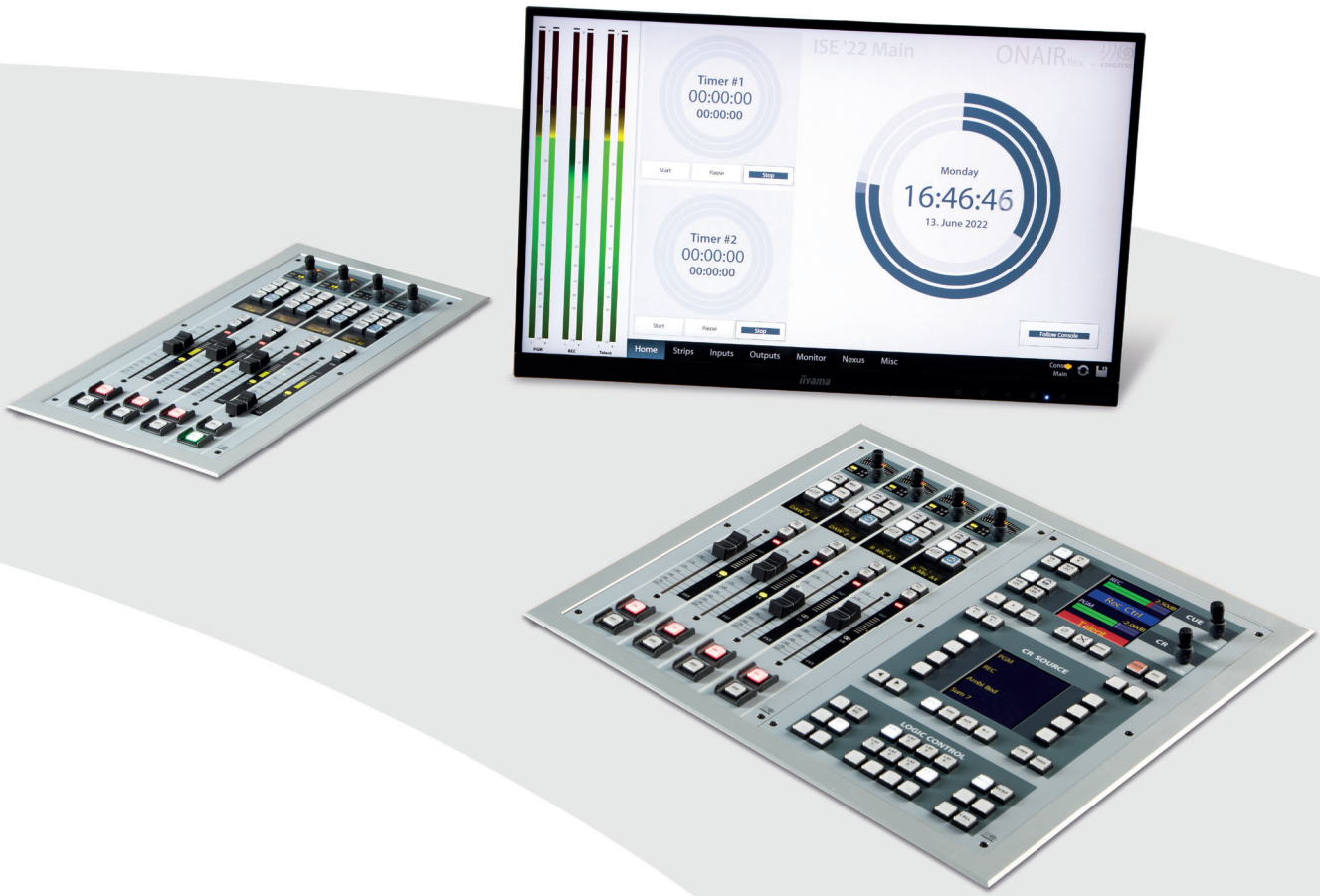


ON AIR

FLEX

The individual broadcast solution

STAGETEC

AUDIO. VIDEO. IP.
SIGNALMANAGEMENT

English

ON AIR flex

THE INDIVIDUAL BROADCAST SOLUTION

- Designed for the broadcast environment
- Flexibly confi gurable 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
- 40 input channels on one audio processor

Concept

ON AIR flex is STAGETEC's smallest mixing desk and positions itself as an adaptable broadcast mixer with limitless degrees of freedom in configurability. Especially the ease of use and short training time make ON AIR flex the perfect system in the broadcast studio, where regular staff without pronounced mixer experience sits at the controls.
ON AIR flex is completely IP-based and can be controlled via a virtual user interface via PC or tablet. This allows the components to be placed spatially separated, even over very long distances. Both the operation and support of the system can be remotely via network. The wiring effort is thus reduced to a minimum. ON AIR flex is fully integrated with NEXUS and has access to all resources available on the network. The protocol EmBer + is supported as external interface.

„Flex" Operating philosophy

The structure of ON AIR flex is extremely flexible and scalable. Two different types of hardware cassettes and a virtual user interface are available that are networked via IP. The system has a modular structure and can only consist of a fader cassette plus audio processor, but can also be composed of several OFAD cassettes, OMON cassettes and screen-based operation. The OFAD fader cassette consists of four channel strips each with 10 buttons, a double rotary encoder and an OLED display. The OMON monitor cassette offers two small color TFTs, two double rotary encoders and various multi-color buttons. All controls and indicators in the fader and monitor cassettes can be assigned custom functions. Both types of cassettes can be easily integrated into any studio furniture thanks to the light metal frame construction
The virtual user interface uses modern web technologies such as Javascript and Webkit. A specially developed web server establishes the connection between the screen user interface and the control logic of the mixer. The so-called RUI interface as well as the control logic of the console are freely configurable. It can be viewed on any web-enabled device that has a current web browser and does not require an app installation. It is available for Windows, OS-X as well as the mobile platforms Android, iOS, Windows Phone.
A separate configuration language allows the customer to carry out the configuration himself. With ON AIR flex, the user gains a flexibility that allows him to retrospectively customize his interfaces and operating concepts without the need for time-consuming updates.

Key Features

- Intuitive to operate, shallow learning curve
- Designed for the broadcast environment
- IP-based modular system architecture
- System limited only by infrastructure
- Virtual user interface: configurable, browser-based, independent of operating systems and devices
- Audio processing integrated into NEXUS, providing access to all resources
- Extensive range of I/O formats via NEXUS router
- NEXUS audio boards hot swap
- Access to router with user rights management via NEXUS configuration software
- Multiple audio processors can be cascaded
- Adaptable to application requirements
- All control and display elements in the fader and monitor panels user definable
- Silent operation, no hard disks or fans required
- Projects, snapshot automation and audio module library are editable and available at the press of a button
- Hardware user interface extended by a virtual surface
- Configurable GPI user interface: fader start, backstop PFL and GPO, user definable buttons
- Monitor and talkback circuits for production and studios
- Split monitoring and talkback functions
- Supports full 5.1 and stereo with integrated downmix
- Remote monitoring and maintenance via LAN

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	40 input channels 8 Sums, 8 Groups 8 Aux-Groups, 8 N-1 Multichannel mode: Stereo, 5.1 4 monitor channels 2 PFL/AFL-Stereobus Input channel: • Channel gain, (inside the mixing console) • Insert and delay (1650 ms, plus delay in 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: 100 mm Penny&Giles® motor fader, touch sensitive Channel grid: 38 mm Dimensions (width x length): 180 mm x 340 mm Weight: approx. 1100 g
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): 180 mm x 340 mm Weight: approx. 770 g
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): 203 mm x 363 mm x 80 mm for one panel, each additional panel: + 180 mm width Weight: approx. 1800 g for one cassette, each additional cassette: + 600 g
Power supply	Integrated in desk cavity Permanent redundancy Supply voltage: 110 V – 230 V Power supply capacity: 90 W for 2 panels, 150 W from 3 panels

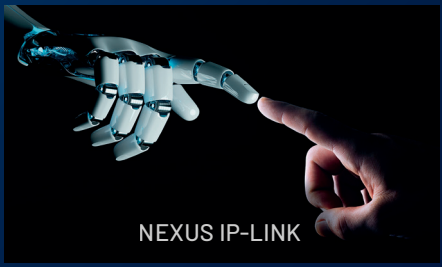
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