

aeon

DIGITAL ON-AIR CONSOLE

 **KLOTZ**
DIGITAL

Unbeatable in price and performance: the new digital on-air mixing console, AEON, by KLOTZ DIGITAL, combines modern high-tech design with a wide array of functions in a mixing console that is especially suitable for small and mid-size radio stations.

For the development of AEON, KLOTZ DIGITAL combined extensive experience in mixer console and routing technology with future-oriented production methods. The result: A flexible, compact and expandable radio mixing console with performance parameters comparable to sophisticated products of a higher price category.

KLOTZ DIGITAL is right on the pulse of time with AEON!

AEON is based on VADIS, the audio digital network platform by KLOTZ DIGITAL, so it contains sophisticated technology and components.

The „Air-Board Concept" has got what it takes!

Fixed workspace assignments are outdated. Every operator has his own ideas of ergonomics and comfort. Furthermore, a variety of peripheral devices are normally found around the workspace of a radio producer, and all of them need to be utilized in the best possible way. AEON is ideal for this purpose and adapts perfectly to any given situation.



AEON explores new ways!

With AEON's radically new "Air-Board Concept", our engineers have managed to design a user interface that can be integrated into any environment with great flexibility and user friendliness.

AEON can take on many forms and doesn't have to be "installed". AEON can be operated wherever it is needed:

In the broadcasting studio:

As compact unit, as split console or subdivided into single modules placed individually.

In the radio production room:

As a flexible tool for all jobs and tasks.

In the editing room:

As mini-console for the monitoring and editing of programs, to cut and conduct phone interviews.

In mobile broadcasting units:

As a space saving unit that can be stowed away during travel, individually expanded or reduced for events, and operated outdoors in favorable weather conditions.

AEON technology and concept:

AEON consists of two basic components:

- AEON user interface (mixing console)
- AEON frame (module technology)

AEON - the multi talent

AEON can easily be adapted and configured to your personal- or workflow demands by means of the new AEON configuration software.



AEON user interface

Two modules are available, each one in their own compact ultra-slim casing:

- Fader module
- Monitor-/DSP-/Control module

These modules can be assembled as a compact unit or can be operated separately. Only a single cable is needed for power supply and communication.

The fader module:

- 4 faders
- 2 line display with 8 digits each
- 100 mm fader
- ON/OFF button
- Variable source routing through integrated router
- Bus and DSP function status indicator
- Direct routing to main busses
- Variable source selection through A/B buttons
- Talk-back function for source relevant feedback per channel

All key caps are detachable for easy and individual labeling using marking foil.

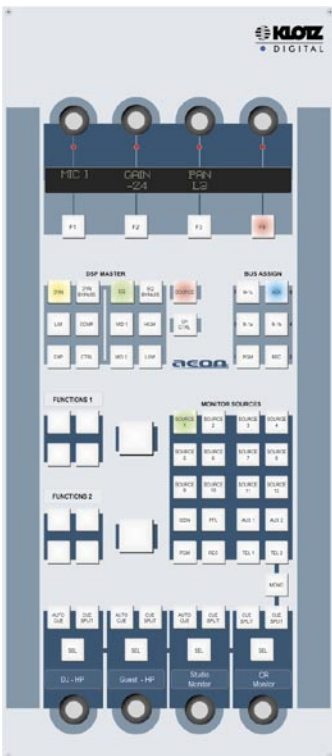
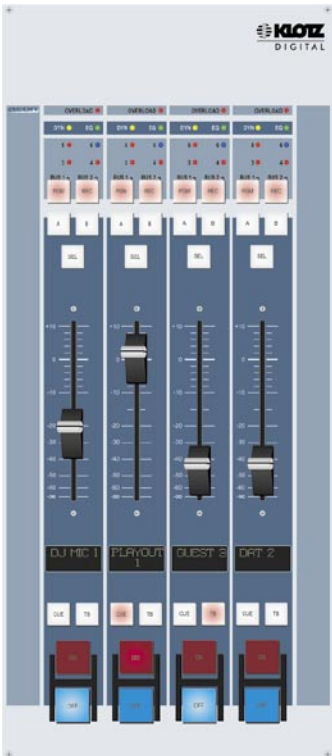
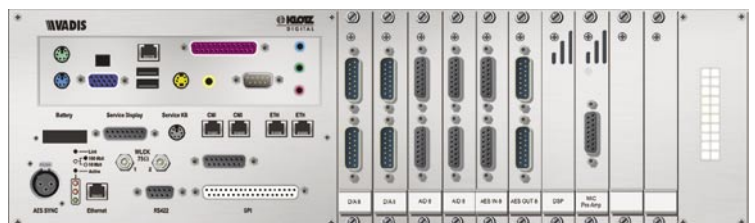
The Monitor-/DSP-/Control module:

Combines all important features of a professional console in a compact and clear manner.

- 4 separate and freely configurable monitor routes with auto-cue and auto-split function. Configurable mute-logic.
- Each monitor channel has access to a pool of 20 sources via their individual SEL key.
- Extended monitoring function such as LL, RR, mono, phase, and DIM which can be operated via a separate TFT screen. If necessary, these functions can be wholly or partially assigned to some of the 20 monitoring keys.
- Individual and clear marking of the single monitor channels by means of inlay labeling strips.
- 10 individually programmable function keys for assignment of routings, GPI/O actions, macros, remote control for connected devices, extended talk-back functions, profanity delay control, off-air recording, intercom control, and many more.
- Direct access to all DSP parameter blocks, in particular the parameters of the 4-band fully parametric EQs, and to the dynamic section (compressor, limiter, expander)
- Sources and their relevant parameters such as gain, phase, phantom power supply, panorama, balance, etc., can be selected by means of source select and channel control.
- 4 incremental indicators with 2-line display with 8 digits each for dynamic and static parameter control, or for selection of snapshots, presets and individual sources.

Behind the scenes - the AEON frame

The heart and brain of AEON – the card carrier or frame – offers 10 card slots for insertion of operation-specific cards in a fanless compact case (19" – 3 units). The frame's 32bit TDM bus guarantees maximum flexibility. Adaptation to the digital environment is achieved through various synchronization methods. An audio link to additional components, such as a central matrix or other studios, is implemented via fiber-optic connections.



AEON basic mixing console

		AEON 8	AEON 12	AEON 16
Sizes	No. of fader modules	2	3	4
	No. of faders	8	12	16
	Monitor-/DSP-/Control module	1	1	1
Busses	Stereo busses (PGM, REC, PFL, MixMinus 3, AUX)	5	5	5
	Mono busses (MixMinus 1, 2)	2	2	2
Monitor outputs	Analog stereo monitor outputs	4	4	4
DSP	DSP cards for mixing, gain, level indicator, 4-band parametric EQ, compressor, limiter, expander, sine tone generator	2	2	2
Controller (Mainframe)	No. of slots	10	10	10
	No. of free slots for I/O cards	7	7	7
	GPI I/O	8/8	8/8	8/8
	KVM inputs (keyboard, video, mouse)	Yes		
	System clock	44,1 / 48kHz		
	Synchronization	Internal, BNC wordclock, DiAN F/O clock		
General	Voltage	110/230 V AC / 50/60 Hz		
	Consumption	Typically: 100 W, max. 250W		
Power supply	External power supply 19" (1 unit)			
	Optional redundant power supply 19"			

AEON frame input and output cards (7 available slots)

Analog	4 channel microphone card
	8 channel A/D input card
	8 channel D/A output card
Digital	8 channel AES/EBU input card
	8 channel AES/EBU output card
	64 channel DiAN Fiber-optic card (to link to a second AEON or a VADIS mainframe in the control room)

Dimensions:

Fader module:	H: 25 mm / 1 "
	W: 195 mm / 7.68 "
	D: 442 mm / 17.4 "
DSP/Monitor module:	H: 25 mm / 1 "
	W: 195 mm / 7.68 "
	D: 442 mm / 17.4 "
AEON frame	19" / 3 unit rackmount

Specifications subjects to change without any notice