

# POLARIS evolution

The first fully personalised network mixing console



- Fully personalised user interface
- Multi-user operation
- Modular and scalable
- Fully network enabled
- Pristine audio quality
- Live, theatre and broadcast modules

## Live software module (standard)

Each POLARIS evolution system is standard equipped with the Live software. This standard software package includes the following main features:

- Format based channel assignment
- Grouping: master/slave and VCA/mute with dimm functionality
- Up to four automation groups with crossfade functionality
- Organizing channel strips and effect modules in libraries
- Multiband dynamics, dynamic filter
- Free arrangement of channel processing, delay, 6-band equaliser, dynamics, de-esser
- Bus processing with 6-band parametric equaliser, multiband dynamics and basic effect plug-ins
- Full MIDI control over IP
- Control of external Digital Audio Workstations
- Integration for mobile devices
- Multiple PFL solo buses

Special interfaces are available for the integration of 3<sup>rd</sup> party products such as external plug-ins and effects.

## Theatre and Post production module

The software extension module for theatre and post production applications includes the following main features:

- Advanced dynamic automation section for showcontrol
  - Fade in/out, different curves, different timing
  - Timeline based operations
  - Cuelists, organizing snapshots from different automation groups in cuelists
  - External events through GPIO
  - Mediacontrol
  - DMX control
- Unlimited automation grouping
- Extra audio formats: MidSide / 5.1
- Cascading POLARIS scala

## Broadcast module

For broadcast applications a dedicated software extension module is available comprising the following main features:

- Audio Follow Video with different fade curves and extended timing operations independent for every channel
- Unlimited automation grouping
- N-1 commentary matrix
- Automatic microphone mixer
- Up- and downmix functionality
- Extra audio formats: MidSide / 5.1
- Loudness metering interface
- Cascading POLARIS scala

Some features mentioned above are still are under development



# This is what makes POLARIS evolution special

POLARIS evolution is a modular and scalable audio production platform that can contain numerous and various hardware elements:

## POLARIS access - The base console

- Compact and lightweight surface
- 16 P&G faders and 16 dual concentric encoders
- 48 illuminated and recessed buttons
- 19" Cut multi-touch display
- DANTE interface for talkback and phones (optional)
- Size (WxDxH): 544 x 559 x 145 mm (21.8 x 22.0 x 5.7")
- Weight: approx. 15 kg (33.1 lbs)

## POLARIS view - Multi-Touch interface

- 21,5" multi-touch monitor
- Docks into the POLARIS access module
- Includes extra powerful CPU processing unit
- Provides expanded parameter setting and metering
- DANTE interface for talkback and phones
- Size (WxDxH): (incl. motor) 539 x 101 x 453 mm (21.2 x 4.0 x 17.8")
- Weight: approx. 10 kg (22.1 lbs)

## POLARIS scala - The audio processing node

- Connects to POLARIS access via standard Ethernet
- Easy integration of additional POLARIS elements
- Up to 640 DSP channels per frame
- Maximum of 256 buses per frame
- Scalable and cascadable
- Latest DSP technology
- Passive cooling (noiseless)
- Size: 19", 3RU
- Weight: approx. 10 kg (22.1 lbs)

The innovative POLARIS networking software allows for freely configurable constellations of POLARIS access, POLARIS view and POLARIS scala units as well as the integration of any other networking control devices.



Pictured: Flexible and individual component assembly of 2x POLARIS access, 2x POLARIS view and a script holder

# This is what POLARIS evolution can do for you

Create your own personal POLARIS evolution tailored to your specific needs, even when they change.

- Freely combine POLARIS user interfaces according to your project needs
- Adaptive: POLARIS evolution remembers your workflow
- Flexible: Free assignment of DSP resources where and when you need them
- Individual: Personalised interface for each project and/or specific users
- Team player: Multi-user operation with shared channel and event automation, etc.
- Fast: Easy and fast configuration changes and parameter settings
- Outstanding: Pristine audio through modular I/O
- Interactive: Easy integration with external control systems
- Expandable: Start with a basic package and expand as much as the need arises
- Future proof: Expand feature sets through new control and/or audio plug-ins
- Network enabled: Complete system control over internet/WiFi, tablet PCs, Android & iOS devices



**Motorized 21.5" multi-touch monitor**

Ergonomic viewing and operating angles that match your preferred way of working



**POLARIS access**

16 fader console including 19" multi-touch display with access to all parameters assigned in the network



**POLARIS access + POLARIS view**

Extended 16 fader console with 21.5" multi-touch monitor for improved overview and parameter access



**Modular 32 fader version**

Combined POLARIS access and view console for use as one large console. You can also split them in two independent smaller consoles if needed



## This is why POLARIS evolution is so clever

The user interface and operation concepts are the result of a long term collaboration with existing customers and audio experts.

- Unique networking capabilities of hard- and software components
- Flexible software
- Full access even from the smallest desk
- Efficient use of available resources
- Future proof through extreme modularity
- Various redundancy and back-up possibilities
- Intuitive and modern operation, look and feel
- Easily expandable through plug & play
- Flawless integration of external systems
- Compatible with audio routers through MADi interface
- Road proof German quality

## See what others say:

“Forget everything you know about mixing. Spend 15 minutes with POLARIS and you are doing it faster and better...”

“This is perfect for educational purposes and TV shows.”

“The POLARIS touch got my interest,  
the POLARIS evolution convinced me.”

“This is exactly the way where the future is headed.”

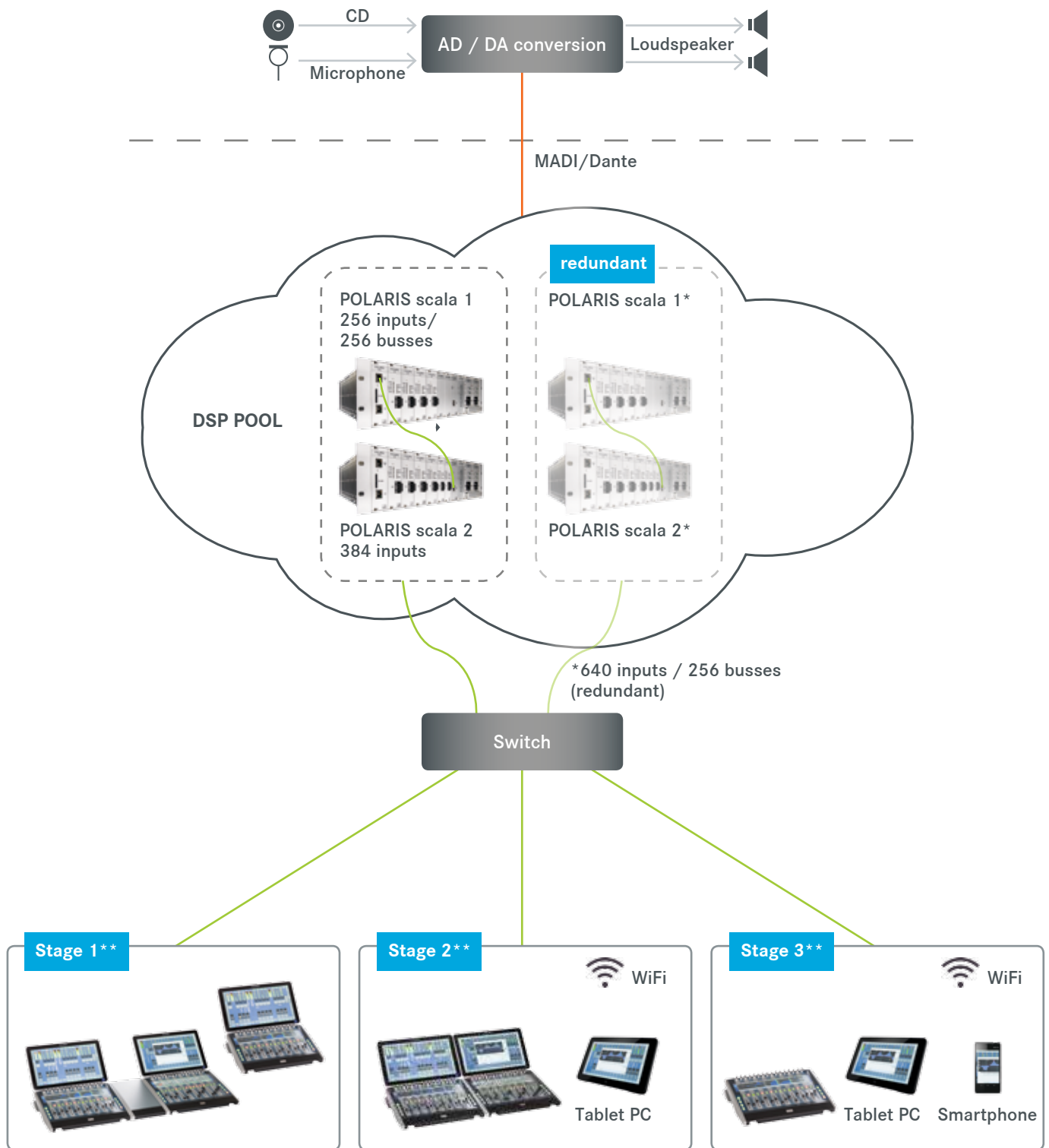
“Phenomenal!”

“This is precisely what we have been waiting for:  
it caters to our every need.”

“POLARIS evolution marks the beginning of a new era:  
IP-networked mixing and audio processing!”



# Redundant and scalable system concept with flexible resource handling



\*\*Stages 1-3, the number of channels and busses is flexible and assignable per project

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