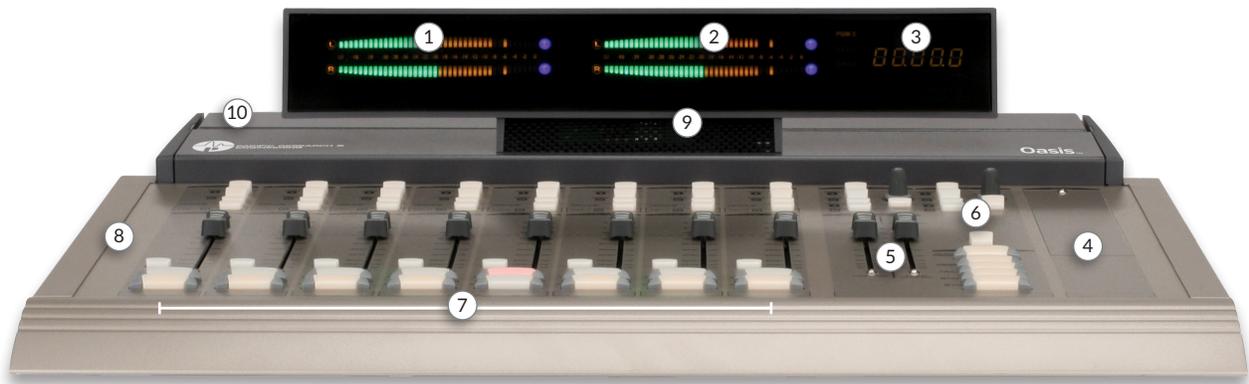


PR&E Oasis™ On-Air and Production Audio Console



Part of the PR&E portfolio, Oasis™ is a high-value standalone audio console for on-air and radio production applications. Simply connect microphones, source equipment and audio monitors — even a PC automation channel (no sound card required) — directly into the Oasis console and be on the air.

Designed with next-generation studio demands in mind, Oasis allows facilities to cost-effectively and easily migrate from analog to digital whenever they're ready. In addition to capabilities for all necessary audio and logic components, Oasis provides both analog and digital outputs that enable facilities to connect to modern STLs and studio infrastructures.

- | | |
|--|----------------------|
| ① PGM 1 Meter | ⑥ Studio Monitor |
| ② AUX/Switched Meter | ⑦ Channel On/Off |
| ③ Event Timer | ⑧ Heaphone Jack |
| ④ Accessory space: for 8X1 RLS controller or VistaNet Controller | ⑨ Cue Speaker |
| ⑤ Control Room Monitor | ⑩ Flip-up Rear Cover |

Options and Installation

The Oasis audio console is available in two sizes: 8-fader channels and 12-fader channels.

Oasis has two basic input options — a balanced analog A/B input card and a microphone line A/B input card. Each hot-swappable card represents eight total inputs available to the four corresponding faders.

Each Oasis frame size has a standard analog input configuration. This configuration provides 4 channels of Mic-pre/Line Inputs. The remaining inputs are analog Line/Line cards each supporting 4 additional faders.

The console provides all the monitoring outputs needed, including monitor and headphones for control room and studio. It even offers a remote level control option for the studio monitors, along with a direct “talk to studio” interface from the console.

Oasis features two meters, the second of which is switchable. It also displays an event timer with the controls necessary to track all show elements.

In addition to the host of standard Oasis features, an optional 8x1 RLS module is also available as an option for input expansion. The control for this remote line selector is offered in a convenient console drop-in panel.

Easy Connections

Phoenix Conbicon connectors allow for rapid and easy wiring without the need for any special crimpers or tools.

Features

- Reduced desktop real estate with big performance
- 1X1 standard USB interface
- 4 channel USB Input Card allows for direct automation integration of audio and logic
- Dual phone/telco cap ability (optional)
- Enhanced PR&E telco operation, eliminating need for dedicated bus assignments
- Solid PR&E appearance and quality
- One of the most cost-effective solutions in the industry
- 8- and 12-channel chassis
- Standalone console reliability
- Two program buses and a dedicated offline bus
- Two external monitor inputs
- Four microphone preamps, standard
- Truly comprehensive channel logic, standard
- Studio monitor and headphone outputs, standard
- Talkback to studio
- Remote studio monitor level control (with optional Fader)
- Control room and studio logic standard
- Built-in cue speaker
- Automatic event timer
- A and B inputs per fader
- Balanced analog inputs; also switchable to consumer level
- No special tools for audio or logic connections
- Analog and digital outputs
- Switchable metering (program two, ext1, ext2, cue)
- Low-profile table-top mount
- Hot-swappable modular input cards
- Built-in headphone amplifier
- Optional 8x1 advanced RLS
- PR&E telco split bus for recording
- PR&E autocue in headphones for advanced monitoring needs
- PR&E advanced telco functionality options
- VMConnected Network with VistaNet and dual telco option



PACIFIC RESEARCH & ENGINEERING

Specifications *(Specifications and designs are subject to change without notice)*

Analog Line Inputs (all inputs and outputs are +4 dBu, balanced)	
Input Impedance	>40 k ohms, balanced
Nominal Input Level	+4 dBu
Maximum Input Level	+24 dBu
Analog Line Outputs (all inputs and outputs are +4 dBu, balanced)	
Output Source Impedance	<3 ohms balanced
Output Load Impedance	1 k ohms minimum
Nominal Output Level	+4 dBu
Maximum Output Level	+24 dBu
Conversions	A/D 24-bit, Delta-Sigma, 128x oversampling
D/A 24-bit, Delta-Sigma, 128x oversampling Latency	<1.6 ms, analog input to analog output
Digital Outputs	
AES-3 Output Compliance	24-bit
Output Sample Rate	44.1 kHz, system referenced
Processing Resolution	24-bit
Logic GPIO	
Logic Inputs	Opto-isolated, floating or referenced to internal +5 VDC via DIP switch
Logic Outputs	Opto-isolated, floating or referenced to internal ground via DIP switch. Outputs are independently configured for pulse or continuous, open or closed operation
Audio Frequency Response	
Analog Input to Analog Output	+0.3 dB/-0.0 dBr, 20 Hz to 20 kHz
Audio Dynamic Range (referenced to FSD)	
Analog Input to Analog Output	103 dB, 106 dB "A" weighted
Analog Input to Digital Output	107 dB
Audio Total Harmonic Distortion + Noise	
Analog Input to Analog Output	<0.005%, 20 Hz to 20 kHz, +18 dBu input, +18 dBu output
Audio Crosstalk Isolation	
Adjacent Analog Inputs or Outputs	>95 dB, 20 Hz to 20kHz
Physical	
Dimensions (H xW xD)	Oasis-08: 5.49 x 22.0 x 17.25 in.; Oasis-12: 5.49 x 28.4 x 17.25 in.
Power Supply	
Type	External, 'line lump' style, plug-in power supply
Input voltage	100 to 240 VAC, 50/60 Hz
AC input	Detachable IEC cord with C5 connector
Output voltage	+12 VDC
Power Requirements	<100 W at 120 VAC/60 Hz
Test Conditions	
FSD = Full Scale Digital, +24 dBu; Analog outputs measured with >1 k ohm load; Total Harmonic Distortion (THD+N) is measured at +18 dBu, using a 1 kHz or a swept signal with a 22 kHz low pass filter 0 dBu corresponds to 0.775 volts RMS – regardless of the circuit impedance, which is equal to 0 dBm, as measured on a 600 ohm circuit	

OASIS MIC PREAMP CARD - PRE99-1502

Provides inputs for 4 faders of an Oasis console. Provides a microphone preamplifier input and an analog line level input for each fader. Includes a total of 4 microphone preamplifier inputs and 4 analog line level inputs.

OASIS ANALOG INPUT CARD - PRE99-1503

Analog Line Level; Provides inputs for 4 faders of an Oasis console. Provides two inputs for each fader. Includes a total of 8 line level inputs.

OASIS DIGITAL INPUT CARD PRE99-1504 Digital AES/EBU

Provides inputs for 4 faders of an Oasis console. Provides two inputs for each fader. Includes a total of 8 line level inputs.

OASIS USB/AES INPUT CARD PRE99-1505

Provides inputs for 4 faders of an Oasis console. Provides a USB connector supplying stereo play out to each of the four faders and a digital AES/EBU input for each fader. Includes a total of 4 stereo inputs over USB and 4 digital AES/EBU inputs.

OASIS LOGIC I/O CARD - PRE99-1506

Provides standard 12 pin channel logic on four faders of an Oasis Console. Each fader can receive four GPI and provide 2 GPO.