



ASP8024

HERITAGE EDITION

Large Format Analogue Recording Console

Product Brochure

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Large Format Recording Console

With the ASP8024 in production for over 20 years, and thousands of consoles in use around the world based on his legendary circuit blocks, we've returned to designer David Dearden's roots to release the definitive version of the ASP8024 - the Heritage Edition.



Who are Audient?

With a proud heritage of award winning audio excellence, Audient continues to develop innovative products for the professional audio industry. Audient are recognised worldwide for delivering high quality products designed with users working preferences in mind and which, most importantly deliver outstanding audio quality at affordable prices. Audient operates from its headquarters in Hampshire, England.

David Dearden

"I've spent over 20 years striving for continuous improvement in our circuit design and how our products sound. To this day my mic pre design is still being used all over the world - I must've done something right!"

HERITAGE REIMAGINED

Features

- 56 - 152 Inputs
- 24 Multi-track Bus
- Variable Mix Bus
- World Class Audient Mic Pres
- 4 Band Splittable EQ
- Dual Layer Control for DAW Integration
- Mix Bus Compressor
- Inline Architecture
- Comprehensive Monitor Control
- Monitoring Grade Headphone Output
- 14 Auxiliary Buses
- Modular Construction
- Whisper Quiet Power Supply

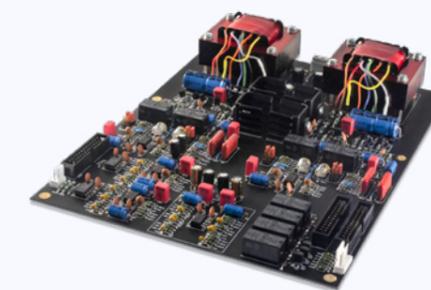


Audient Mic Pres

Designed by David Dearden (of DDA & Advision Studios) back in 1997 the Audient mic pre is an all discrete, high grade design that delivers low noise, low distortion, and high common mode rejection at all gain levels. Offering a faithful reproduction of the source with just enough colour to give the signal some character.

Variable Mix Bus

Moving through the signal path and coming after the muscular output of the John Hardy 990C+ summing amps - the Heritage Edition provides new tonal options with the Retro Iron output card. Featuring discrete class-A/B transistor amplifiers offering incredible detail coupled with two Carnhill transformers made in the UK. When these two stages combine they produce a punchy, harmonically exciting and ever-so-slightly gritty sound, perfect for adding character to your mixes.



Mix Bus Compressor

Based on technology from the 80s and 90s the ASP mix bus compressor is known for adding a rock and roll dynamic to your mix. Often likened to classic analogue boards, the ASP mix bus compressor provides that classic VCA 'glue' that will give your mix that 'sounds like a record' feeling.

4 Band Splittable EQ

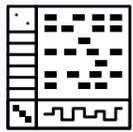
The incredibly flexible, Dearden designed EQ offers two fully parametric bands that span from 40Hz to 20kHz, offering a powerful and punchy sound. These are flanked by low and high shelving EQ bands, perfect for adding weight and air to your source, making for the ultimate sculpting tool. The EQ can be split across both the short and long faders, making us one of the only companies to offer this unique feature.



Dual Layer Control

DLC provides you with a range of useful DAW control features available at your fingertips, including 8 bankable faders, transport control, track record enable, pan control, aux sends and plug-in selection/editing, all of which enable you to navigate your session with ease.

DLC's automated faders give you a wide range of creative options, whether you're adding realistic and accurate vocal rides to your mix or simply bringing your drum group up in the chorus. DLC allows you to avoid staring at the screen and painstakingly drawing in your automation levels and instead lets you work fast and efficiently.



DAW Control



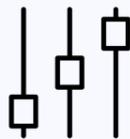
Multiple Workflows



Plug-in Control

VCA Automation

By utilising DLC's 8 channels of VCA automation you can add movement and finesse during your console mix balances. The VCAs can be individually routed to subgroups 1-8 or independent DB25 I/O that can be patched to any console insert point for creative use. Try riding your hardware compressed drum parallel in the chorus or automated pre/post insert effect for wild automated distortion control with your outboard gear.



Click to see DLC in action



Up Close and Personal

Take a look at DLC's front panel. Compatible with:



Protools



Logic Pro X



Cubase 9

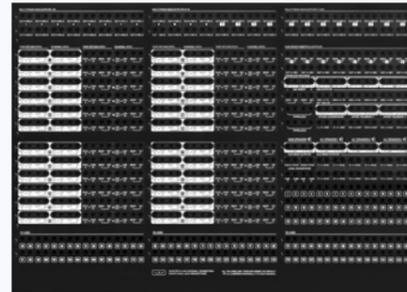
Optional Extras

The ASP8024-HE has a fully customisable modular design in order to fit any desired solution. The optional extras can be seen below:

Patchbay

Routing made easy

An elegant single module, on-board patchbay for 24, 36 & 48CH consoles with up to 144 configurable points.



Surround Sound Integration

Monitor control made easy

With the addition of a DB25 connection, the ASP510 easily integrates with the ASP8024-HE providing you with comprehensive monitor control for your 5.1 surround sound system.



Producers Desk

Designed with workflow in mind

The Producers Desk provides you with extra real estate on your console, letting you to place a keyboard, mouse or even a control surface at the centre of your desk or off to one side for your assistant.



48 Bus Mod

Perfect for big track counts!

Our 48-Bus Mod provides an extra set of multi-track bus combining outputs, forming multi-track buses 25-48. The 48-Bus Mod can be fitted to 36-72CH consoles.



VESA Mount

Quickly mount any 15-19" TFT screen (max. width 460mm) with our new military grade VESA mount option. We chose this specific mount to reduce the height of the screen, allowing it to sit below the speakers, providing you with better acoustics and improved phantom-centre imaging.



Dual Layer Control

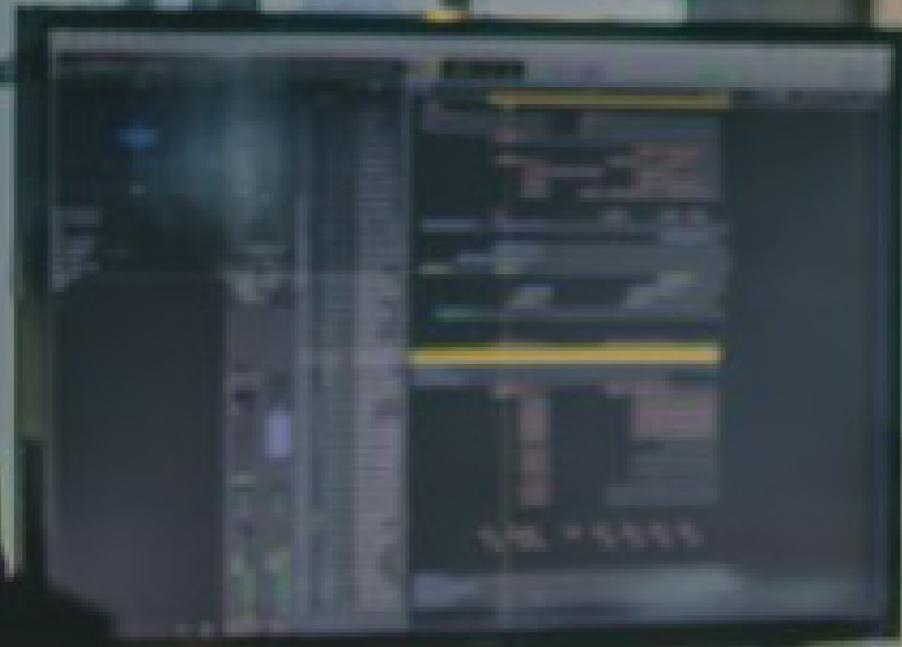
Analogue meets digital

Control your DAW session with our Dual Layer Control module, providing creative DAW control and automation along with eight moving faders that can be banked across your entire session together with 8 channels of VCA automation for adding movement and finesse during your console mix balances and more.

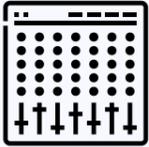


"...there isn't really any other mixing desk available for the same budget, that offers anywhere near the same features"

Mark Crew
Rag and Bone Man Producer

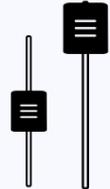


Why choose the ASP8024-HE?



24 Multitrack Bus

The ASP8024-HE features 24 multitrack bus outputs to feed to your Converters or Tape. All 24 buses can be fed to from any channel on the console. This also includes the "Follow Pan" function for easily creating stereo buses.



Inline Architecture

The consoles inline architecture allows you to start building your mix as you're tracking. By using the long and short faders you can create separate record and monitor balances on one channel strip, all while being able to access the consoles splittable EQ and aux sends, perfect for getting it right from the start. Experience the classic large format console workflow and take your mixes to the next level.



Comprehensive Monitor Control

Our fully featured monitor control section offers full artist communication, new remote talkback control, a new additional engineer headphone output, powerful source selection and loud speaker control with a short passive signal path for incredibly clear and accurate monitoring. We know you'll be reaching for the monitor control knob a lot so we added the phenomenal feeling Alps 'BLUE VELVET' pot and custom aluminium knob for a touch of class during everyday use.



Modular Design

At Audient we understand buying a console can be an investment for life and that every feature needs to be exactly right for you and your studio. That's why we made the ASP8024 one of the only modular consoles on the market - to best fit your requirements!

Auxiliary Routing

With 14 Auxiliaries and 2 dedicated Cue mixes, ASP8024 HE gives you plenty of scope for signal processing and foldback. Use the Auxiliaries to feed your outboard equipment, such as a reverb, and return it back to one of Stereo Effects returns on the master second or use the Cue mixes to quickly setup your artist foldback. With so many Auxiliaries, you have a multitude of routing options.



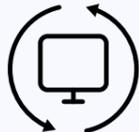
Power Consumption

The ASP8024-HE ships with the ASP8120 Ultra Power supply unit using extremely low noise fans and transformers meaning the PSU can be placed in the same room as the console without providing distracting noises. The ASP8120 Ultra Power supply is very efficient making the ASP8024-HE one of the most economical large format recording consoles on the market.



Complete Connectivity

With an impressive array of connectivity options, the ASP8024-HE will quickly become the hub of your studio. Whether you're bringing in your DAW outputs, effects returns, monitoring devices and other line sources, or simply connecting to your 2" tape machine the Heritage Edition provides ultimate flexibility for the modern recording studio.



ASP510

Surround Sound Integration

The ASP510 will effortlessly integrate with your ASP8024-HE recording console, providing effective and intuitive monitoring control in an ergonomic package. Whether you're working on film scores, foley or simply mixing in 5.1, the ASP510 is the perfect surround sound monitoring solution for your studio.



Console Overview

24 MULTITRACK BUS

The ASP8024-HE features 24 multitrack bus outputs to feed to your Converters or Tape. All 24 buses can be fed to from any channel on the console. This also includes the "Follow Pan" function for easily creating stereo buses.

STEREO INPUTS

The STEREO inputs allow signals to be brought back into the console (returned) from an effect unit without using up a complete channel strip. Often stereo signals can only be routed to the stereo mix, however, the ASP8024-HE stereo inputs allow routing back to the multi-track in addition to the mix.

BUS/AUX MASTERS

The Bus and Aux masters allows you to quickly tweak the signal level being sent on the multitrack buses or your Aux mixes. It is also possible to link together Auxiliaries to duplicate mixes.

EQUALISERS

ASP8024-HE features the classic David Dearden 4-band console Equaliser on every channel. Offering two dual-band equalisers that can be split individually to the Short (SF) or Long (LF) fader paths.

MIX BUS COMPRESSOR

The Audient Mix bus use John Hardy 990C+ op-amps giving plenty of headroom for beautifully transparent mixes with impact. The switchable Heritage circuit allows you to add Transformer vibe with a pair of genuine Carnhill transformers as well as vintage inspired Bass or Treble boosts.

SOLO

The Solo function of the desk also includes the "Solo in Front" feature allowing you to solo track's as per usual, but then also blend in a small amount of the rest of the mix. This allows you to easily isolate a track to make mix decisions, while still hearing it in conjunction with the rest of your mix.

CONTROL ROOM MONITORING

The ASP8024-HE gives 4 sets of monitor outputs allowing you to easily switch between sets of monitors for accurate monitoring. There are also three additional monitoring sources allowing you to listen back to a variety of sources or devices as well as your main mix bus.

TALKBACK

Talkback is used to communicate with the STUDIO, the FOLDBACK system or the Bus outputs of the console. Talkback to the foldback system will work even when the foldback levels are turned down. The talkback microphone may be phantom powered if required.

DUAL LAYER CONTROL

The Dual Layer Control Module gives you control over analogue and digital worlds from the heart of the console. In the analogue layer, it provides intuitive analogue automation as well as an extra set of line inputs and outputs. In the DAW layer, it provides a powerful array of DAW control features, right at your fingertips.

SUB GROUPS

In addition to routing signal to the bus outputs for recording, the first eight buses are also fed to 8 sub group outputs. Each sub-group has a PAN control, SOLO and CUT switches and a fader controlling the bus output level.





The Channel Strip



24 BUS ROUTING SWITCHES

The Routing section takes the signal from either the SF or LF path and routes it to the bus outputs, which in turn are usually connected to the inputs of a DAW or other recording devices.

AUXILIARIES

Adjusts the level sent to the Auxiliary outputs.

EQUALISERS

The Equaliser is split into two sections one for high and low frequencies and the other for middle frequencies. Both sections can be switched in and out independently and switched between the SF and LF path.

HMF

The High Mid Section (HMF) has three controls. The boost /cut range is $\pm 15\text{dB}$ and the frequency of operation can be varied from 450Hz to 20kHz. The Q control allows for a very sharp and narrow characteristic or for a more gentle characteristic covering a wider range of frequencies.

LMF

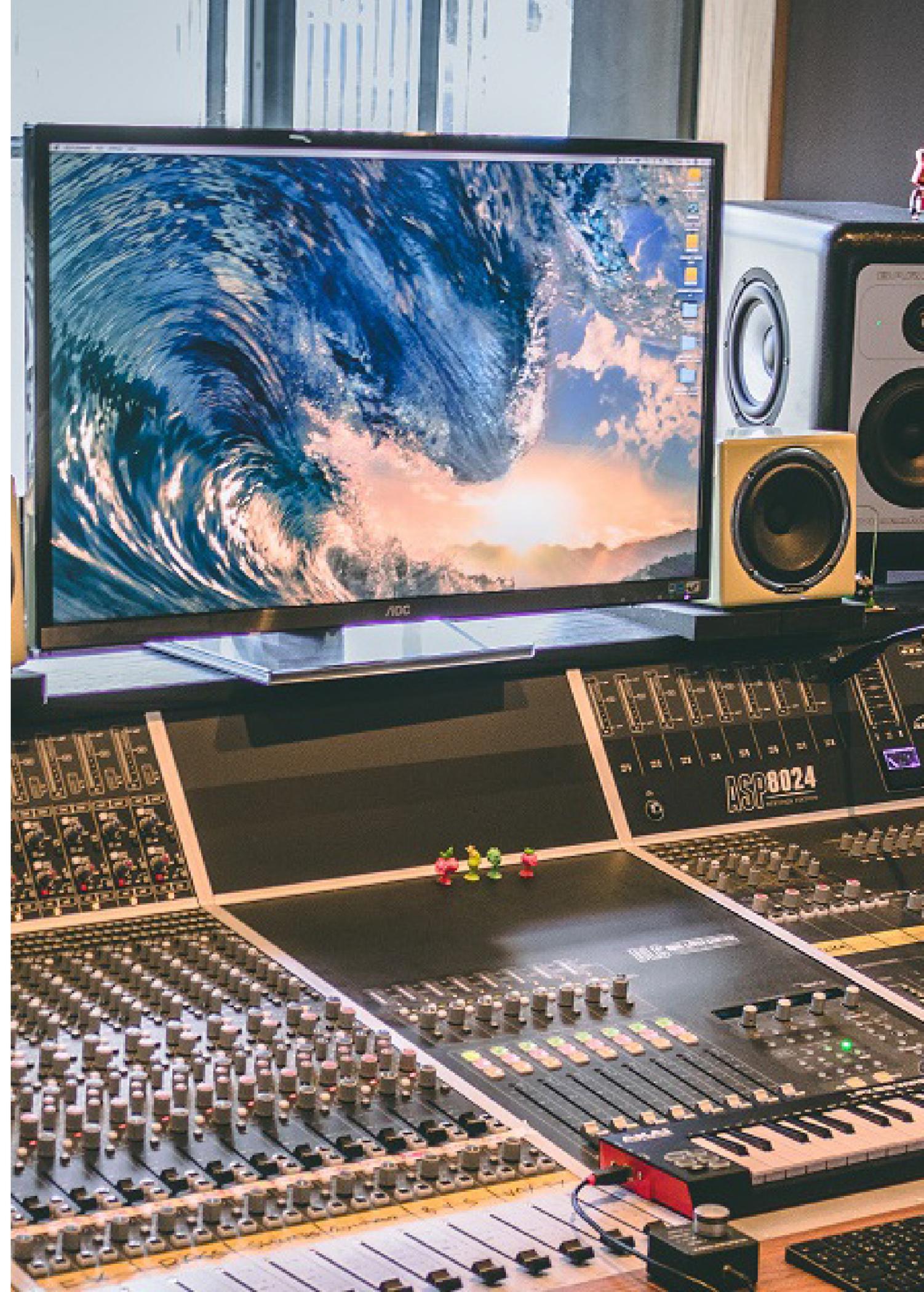
The Low Mid Section (LMF) has the same three controls as the HMF section. This EQ band covers frequencies between 50hz and 1.5kHz to help sculpt your low-end.

SHORT FADER (SF)

The Short Fader provides an additional +10dB of gain in hand allowing the signal to be boosted or reduced in level if required.

FLIP and PAN

The FLIP switch allows the MIC/ LINE input and the DAW /TAPE input to be reversed. The PAN control pans the signal across the stereo mix bus and the MIX switches assign the channels signal in the stereo bus.



**"The
amazing
quality
of sound
that they
produce
means
they can sit
alongside
the classics
and you
can't go
wrong"**

Oliver Kenny

Musician, engineer and producer at Holy Rock Studios, UK

Why Analogue?



Sound

In short, because it sounds better. Many pros prefer to use analogue summing, dynamics and EQs due to the perceived warmth added by analogue circuitry. There's no arguing digital emulations have improved, but analogue still adds that magical sheen and polish we all want to give our music.



Total Control

Analogue controls mean each knob has a single function, allowing tweaks to your tracking and mixes to be made super easy. This makes understanding the audio path much easier for newcomers to a console workflow, as well as allowing you to work faster with less menu diving; perfect for a busy studio environment.



No Latency

Latency ceases to be a problem on a console, you can monitor in real-time with no monitoring delay. Many musicians can interpret latency even lower than 5ms when tracking and it gets worse when you start adding plugins and nested groups with parallel processing whilst mixing. Plugin latency can also cause you phase problems in a mix, an analogue console handles that all without any issues.



"It's my dependable rock. It's been all over England with me back when I had the mobile studio, Electric Landlady. If that console doesn't work then I know there is something fundamentally wrong with the studio."

**Genzo Townshend
Music Producer and Owner of Decoy Studios**

(Ed Sheeran, U2, 30 Seconds to Mars, George Ezra, Robbie Williams, Florence & the Machine, The Maccabees and Paulo Nutini)

Console Specifications

FREQUENCY RESPONSE

Mic Input to Mix Output	$\pm 0.3\text{dB}$ (20Hz to 20kHz with 6 to 40dB gain)
Line Input to Mix Output	$\pm 0.3\text{dB}$ (20Hz to 20kHz with 0dB gain)

THD + N

Mic XLR Input to any Output	$< 0.005\%$ @ 1kHz, +22dBu Output
Line Input to any Output	$< 0.005\%$ @ 1kHz, +22dBu Output
Tape Input to any Output	$< 0.003\%$ @ 1kHz, +22dBu Output

NOISE

Mic EIN (20-20kHz, 150 Ω source)	$< -127.5\text{dBu}$
Bus Noise (No Inputs Routed)	$< -93\text{dBu}$
Bus Noise (36 Inputs Routed)	$< -81\text{dBu}$ (990C Mix Amps)

CROSSTALK & MUTE ATTENUATION

Short Fader Mute	$> 90\text{dB}$ @ 1kHz
Long Fader Mute	$> 90\text{dB}$ @ 1kHz
Mix Assign	$> 90\text{dB}$ @ 1kHz
Bus Assign	$> 90\text{dB}$ @ 1kHz

MIC CMRR

Min Gain (6dB)	70dB
Max Gain (66dB)	75dB

MAXIMUM INPUT LEVEL

Mic	$> +21\text{dBu}$ (Min Gain)
Line	$> +30\text{dBu}$ (Min Gain)
Insert Returns	$> +21\text{dBu}$

MAXIMUM OUTPUT LEVEL

Mix Output	$> 90\text{dB}$ @ 1kHz
Bus Output	$> 90\text{dB}$ @ 1kHz
Aux Output	$> 90\text{dB}$ @ 1kHz
Insert Send	$> +20\text{dBu}$ into 2k Ω
Bus Assign	$> +20\text{dBu}$ into 2k Ω



ASP8024-HE Dimensions

Some examples ASP8024-HE consoles lengths are (H x W x D):

ASP8024-HE	Channels	Dimensions (mm)
ASP8024-HE 24	24 Channel Console	1470 x 1065 x 999
ASP8024-HE 36	36 Channel Console	1930 x 1065 x 999
ASP8024-HE 36 DLC	36 Channel Console	2390 x 1065 x 999
ASP8024-HE 36 PB	36 Channel Console Patchbay	2930 x 1065 x 999
ASP8024-HE 48	48 Channel Console	2390 x 1065 x 999
ASP8024-HE 48 PB	48 Channel Console Patchbay	2850 x 1065 x 999

The weight of a ASP8024-HE console loaded create is:

ASP8024-HE	Channels	Weight (Kg)
ASP8024-HE 24	24 Channel Console	212 Kg
ASP8024-HE 36	36 Channel Console	280 Kg
ASP8024-HE 36 DLC	36 Channel Console	300 Kg
ASP8024-HE 36 PB	36 Channel Console Patchbay	300 Kg
ASP8024-HE 48	48 Channel Console	300 Kg
ASP8024-HE 48 PB	48 Channel Console Patchbay	325 Kg





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