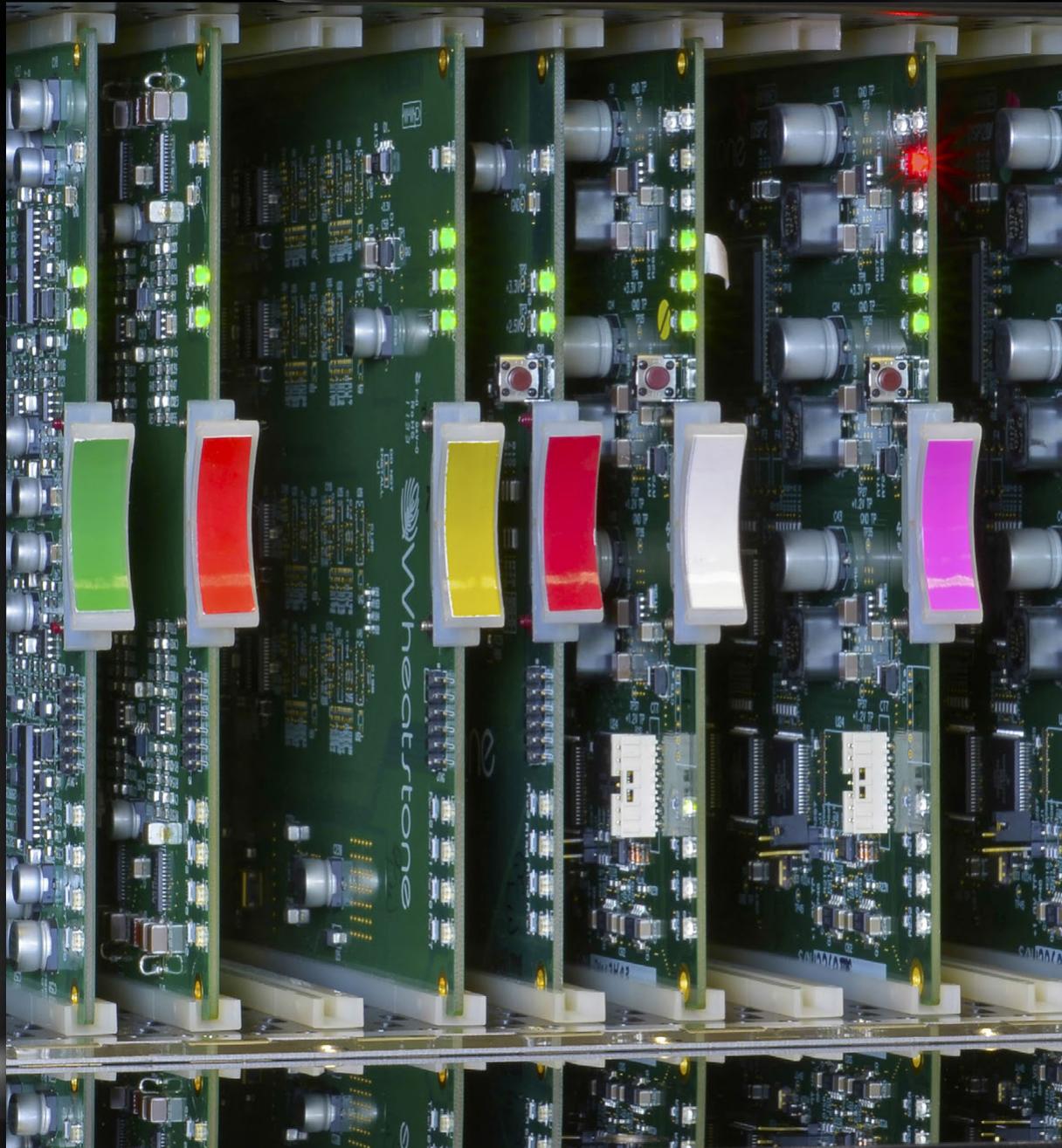


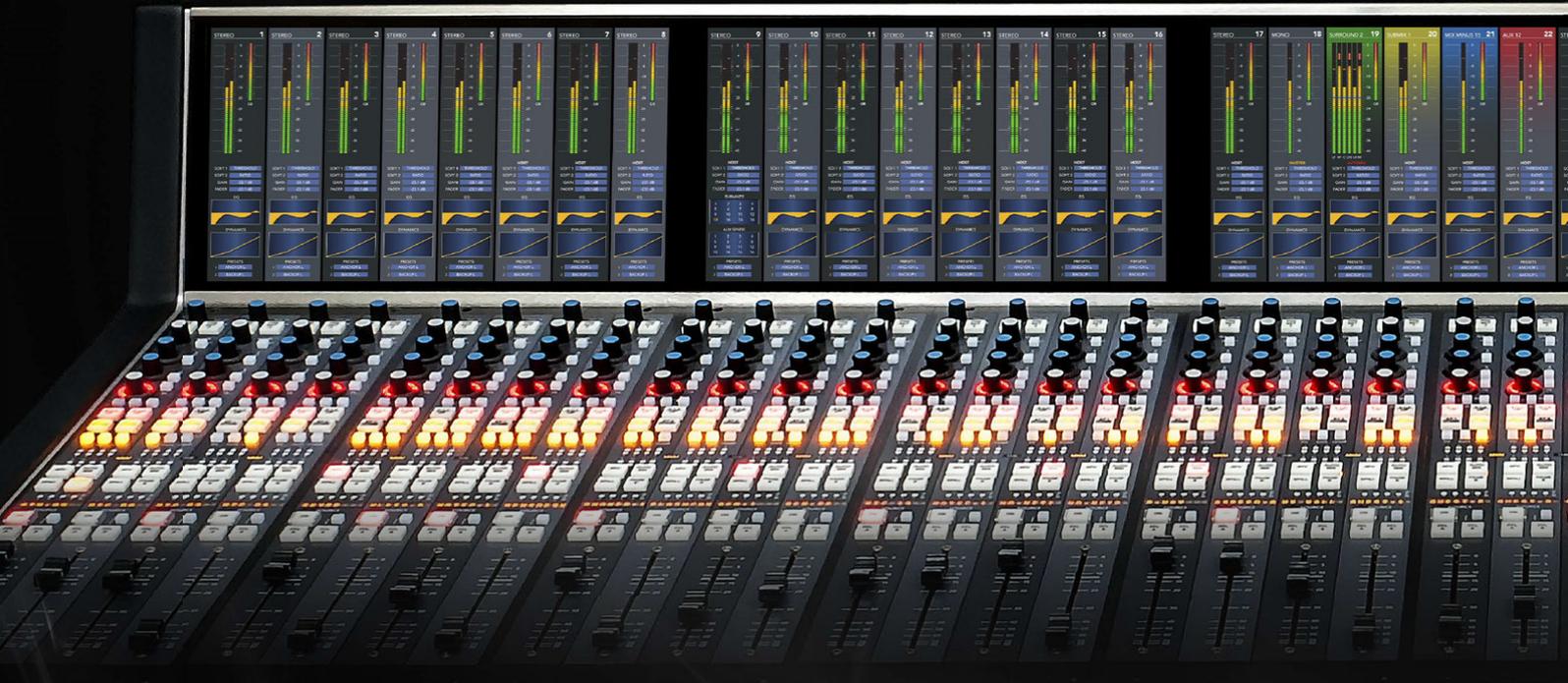
# GIBRALTAR NETWORK

Modern Audio Network For Television



## full access network

opening new networking opportunities to the TV audio world. Any source, anywhere, any time.



With all I/O managed through a separate rack unit, the Series Four console has no limitations with fixed connection points on the console chassis itself. Any channel can connect to any audio source, using any preferred audio format at any time, whether it's HD/SDI, AES, MADI, Analog or TDM.

The result is a compact/medium-format audio console that is so truly universal, it can fit into almost any TV production environment, anywhere -- whether it's a Wheatstone TDM routed studio, a MADI-equipped stadium, or a remote truck.

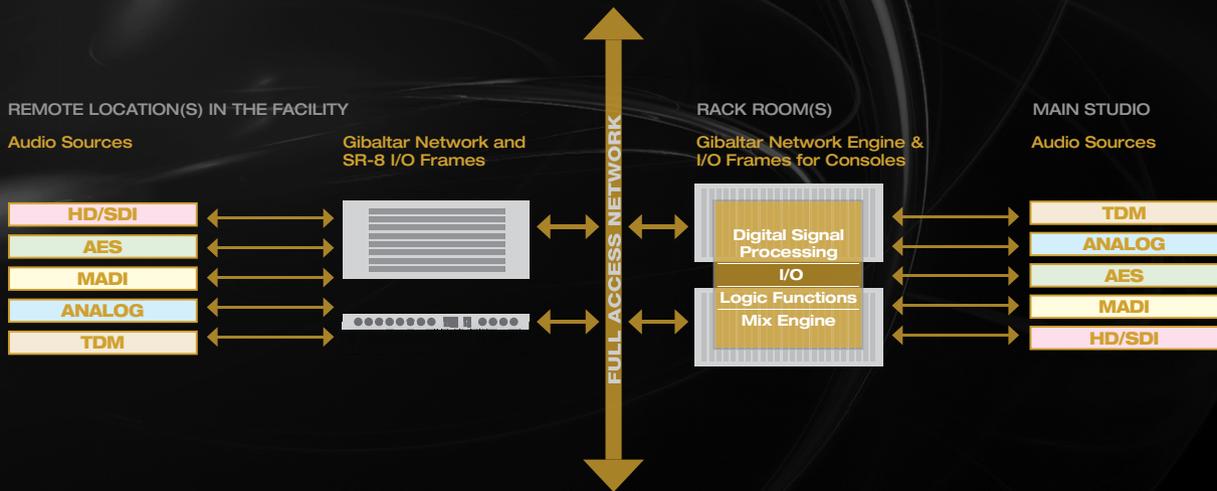
With our Network First approach, everything essential to audio routing, logic and processing is situated in racks located wherever you like, accessible via the network. This provides facility-wide access to all of your audio, regardless of where it's coming from. You can route any audio source to any fader on any control surface within your network. And, because we've designed our rack cages with front access and full hot-swappability, you'll never need to tear apart a console or rack to upgrade, repair or otherwise access its components. This all translates to 100% uptime and unprecedented expandability.

Because the entire system is modular, its components can live wherever you need them. Multiple control surfaces can access ANY audio from ANYWHERE on the network. No more making concessions in the form of dedicated input strips or physically rerouting inputs for different applications. The following shows a typical television operation in which the operator has access to some 1,024 channels of digital signal processing through one control surface.

Pictured: Wheatstone's Dimension Three Surround Sound Television Audio Console



The true advantage of a fully modular router-based network system is ultimate flexibility



Simple flow.  
Incredible Power.

# Gibraltar Network

the processing that powers modern television audio consoles – brains, brawn and futurability

Designing from the ground up meant considering not only how things function but where they live. Given the technology we have today, and considering what's on the horizon, it only made sense to take a completely modular approach. This provides us with the ability to create incredibly powerful devices with unimaginably small footprints. Since all function is in soft/firmware, it also gives us the capability to ensure that your investment in our technology today will last well into the future. In other words: Wheatstone = incredible ROI.

## DSP: numbers count - no restrictions

### meet Gibraltar

The Gibraltar® Network is the powerhouse of the Series Four. Its modular design uses multiple Gibraltar DSP cards to provide the mixing, bussing, I/O, and processing power which the control surface presents to the operator. The amount of DSP processing available can be scaled to the size and complexity of the intended installation and to allow for future expansion.

The Gibraltar Network has an internal, modular power supply and has room for a second one for full power redundancy. A “hot standby” Gibraltar DSP card can also be installed and will seamlessly take over the functions of any failed DSP card.

### more than enough dsp to do the job

There are 1,024 channels of processing available in Series Four. Sound like a lot? It is! For a modern studio, consider that for every input you'll need a minimum of 6 channels of processing for 5.1 surround as well as 2 channels for stereo processing. Add to that processing for all major output and monitor busses (stereo and surround mains, submixes, aux sends, mix-minus, tracks, control room, studios and headphone feeds) and you'll see that it adds up to a lot

### no blockouts

Of course having a ton of simultaneous inputs for a single production is not an every day occurrence, but since you have completely unrestricted *integrated* router flexibility, having all faders available to dial up whatever mix you need means the days of having to block out channels based on input type are a thing of the past.

### extreme flexibility

With over 10,000 audio input sources simultaneously available on the network, you'll never have to repurpose your inputs again. This kind of unrestricted access means your throughput is greatly streamlined AND your flexibility options are SIGNIFICANTLY increased. This is unprecedented in a console of this size and price, making it the perfect choice for any mid-sized studio or remote truck.



The SR-8 provides eight XLR inputs and four XLR outputs in a stage-box configuration. It interfaces to the Gibraltar Network via CAT-6 cables and comes with dual internal power supplies for redundancy.



Gibraltar Network's modular approach means maximum flexibility. Your control surface is the perfect size for wherever you'd like to place it. Your I/O is wherever the sources are. One CAT-6 cable is all it takes to interface.

### failsafes: keeping you live

#### redundant power (x2)



Gibraltar Network cage utilizes internal modular power supplies and can accommodate up to two units for redundancy.

#### redundant components



If a DSP chip fails in a traditional console, it tends to take the entire card with it, leaving the board dead. Thus, having a backup DSP chip on the same card is not really a solution. With Series Four, a hot-spare DSP card can be utilized with automatic failover in the event of a problem with the primary engine. Because any source can be assigned to any fader, even catastrophic damage to a fader module on the console (as from a drink spill or falling object) only means that the damaged faders are out of action. The sources can be rerouted to other faders, and the show goes on.



Behind the front panel are the DSP cards that drive the system. Power supply is internal and can be single or dual modules. The back provides access to the cards' connections.

## the inside story

it's incredibly easy to access all the parts you don't see



Servicing, upgrading or accessing internal components in a traditional console is a task even the most seasoned veterans don't look forward to. First, the console usually has to be taken off-line, meaning downtime for your programming. Just getting to the internal components is a job in itself. Due to rear access and very cramped quarters, it's a great deal like servicing an appliance. Everything needs to be unhooked, the console needs to be pulled out and the person servicing it needs to be a contortionist.

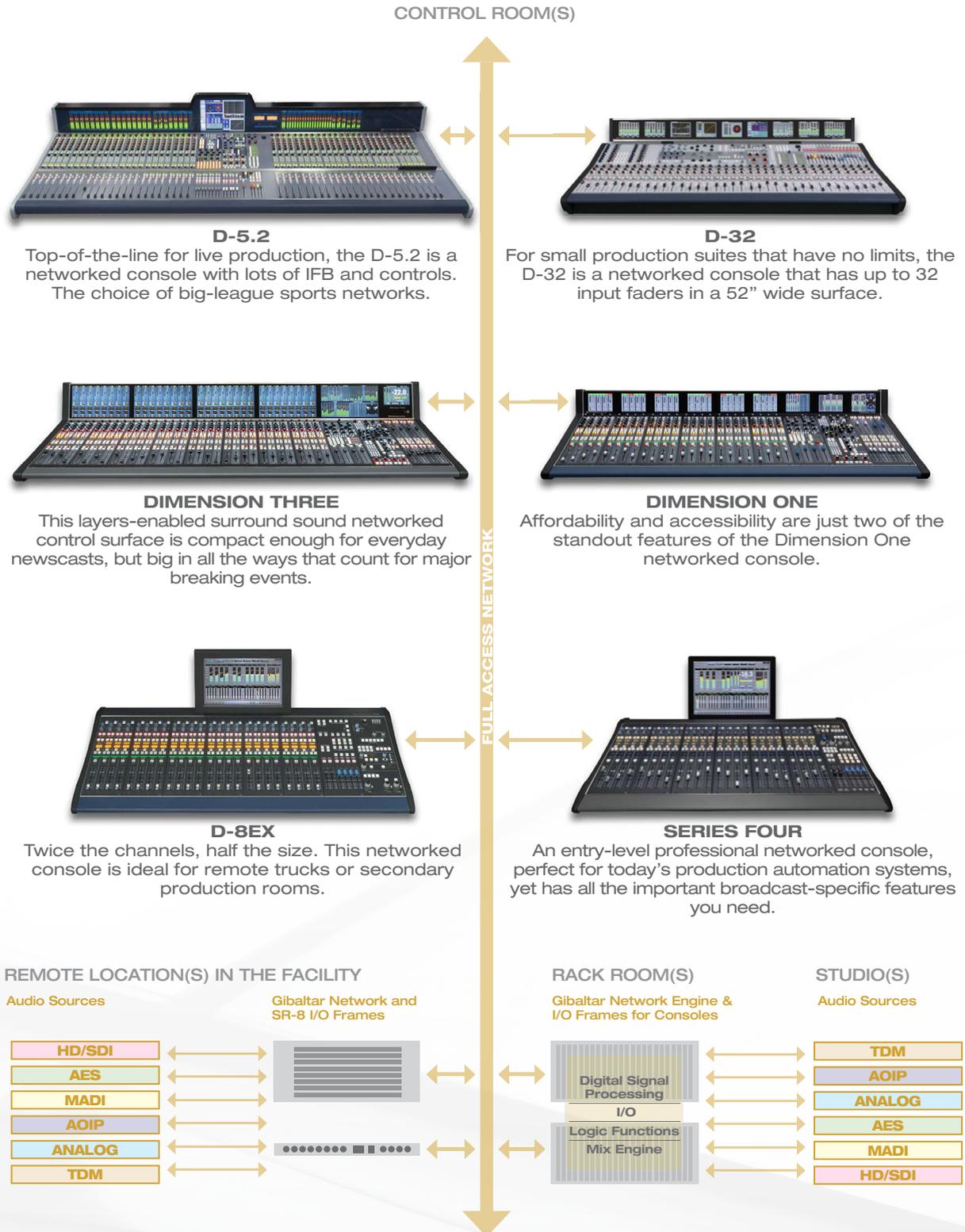
Thanks to its modular architecture, servicing Series Four is a snap. First, since all of the audio and logic components live in a Gibraltar Network rack enclosure, all you need to do is open the front panel and replace or add cards. You don't even need to shut anything down - everything is redundant and hot-swappable.

The Series Four control surface is just as impressive. Should you need to replace a channel strip module, remove four screws and unplug the ribbon cable. Drop a new module in and all your sources and presets are right where they were before the swap. The entire module has exactly the same functions you assigned to it.

There's really no other mid-market board that brings together the incredible list of features and the exceptional serviceability of the Series Four.

# go with the flow

networking is necessary with modern TV audio and Wheatstone has the hardware you need





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