



## BARS & RESTAURANTS



### Sports Bar with AMX Networked AV, Samsung MagicINFO, and audio by dbx, JBL and Crown



#### OPPORTUNITY

Sports bars have a unique set of challenges that fit someplace between cinema and dining establishment. In order to entice customers to enter, and engage them to stay, sports bars need to ensure every customer feels like they have a first row seat to the big game combined with top-notch service at affordable prices. Seldom does the customer consider that the price of their meal or drink includes overhead for the best audiovisual gear the industry has to offer. And overhead certainly does not allow for specialized staff to start-up and use the gear on a daily basis. The system must be affordable and flexible while still delivering beautiful clear video, with crisp intelligible audio, all with a control layer that is really simple to use.



#### SOLUTION

HARMAN Professional and Samsung bring the best of audio, video and control to sports bars around the world. Install gorgeous Samsung displays throughout the facility, then with AMX SVSI networked AV, distribute broadcast video to any of those displays without worrying about output limits. Used in this sample application, AMX NMX-ENC-N2312 encoders attached to each of the broadcast video sources stream video to the network making it available to any AMX NMX-DEC-N2322 decoder installed at each Samsung display. Need to install more displays for the big game? Want to open a patio section with outdoor displays for the summer season? Not a problem, simply add a decoder with each new display and access any video streamed on the network.

The addition of Samsung MagicINFO enabled displays allows even more video flexibility. With digital signage capabilities built-in Samsung can display a variety of custom graphics, such as menus, specialized welcome messages for large groups, and advertisements for upcoming events.



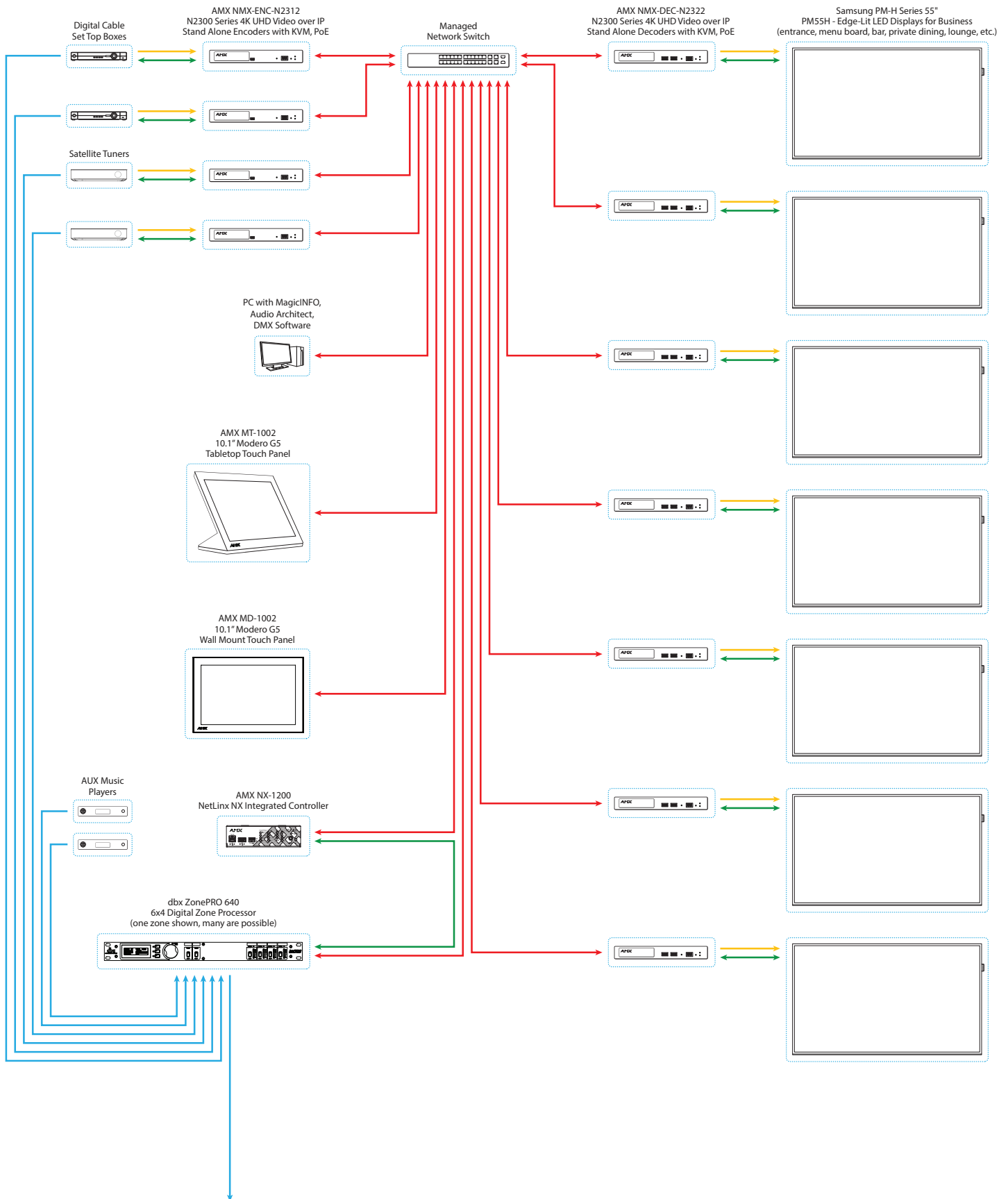
Audio flexibility is key for sports bars. There may be multiple games on in a seating section, but the customers can only tolerate one audio source to accompany it. The dbx ZonePro 640 delivers the selected audio for each zone with audio settings that have been customized to expertly suit the attributes of each individual zone. The 640 provides every necessary processing tool, from the input processing like gain control and EQ available on all inputs to highly sophisticated and specific functions such as selectable paging microphone processing including gating, de-essing, auto gain control, compression and feedback suppression. The heart of the ZonePRO products is the routing module that provides primary source selection in addition to source ducking for paging and priority override.

In this sample application, the user simply selects the audio source (or paging) and send it to a given zone with the assurance the volume and audio settings are perfect. In addition, this type of zone control eliminates the possibility that a user could send multiple audio sources that would play on top of each other. Crystal clear, intelligible amplification in each zone is provided by the Crown DCi 8|300 DriveCore power amplifier and JBL speakers from the Control Contractor Series including JBL AC26 ultra compact 2-way loudspeakers, Control 24CT micro background speakers, 226C/T ceiling loudspeakers and Control 25 foreground loudspeakers.

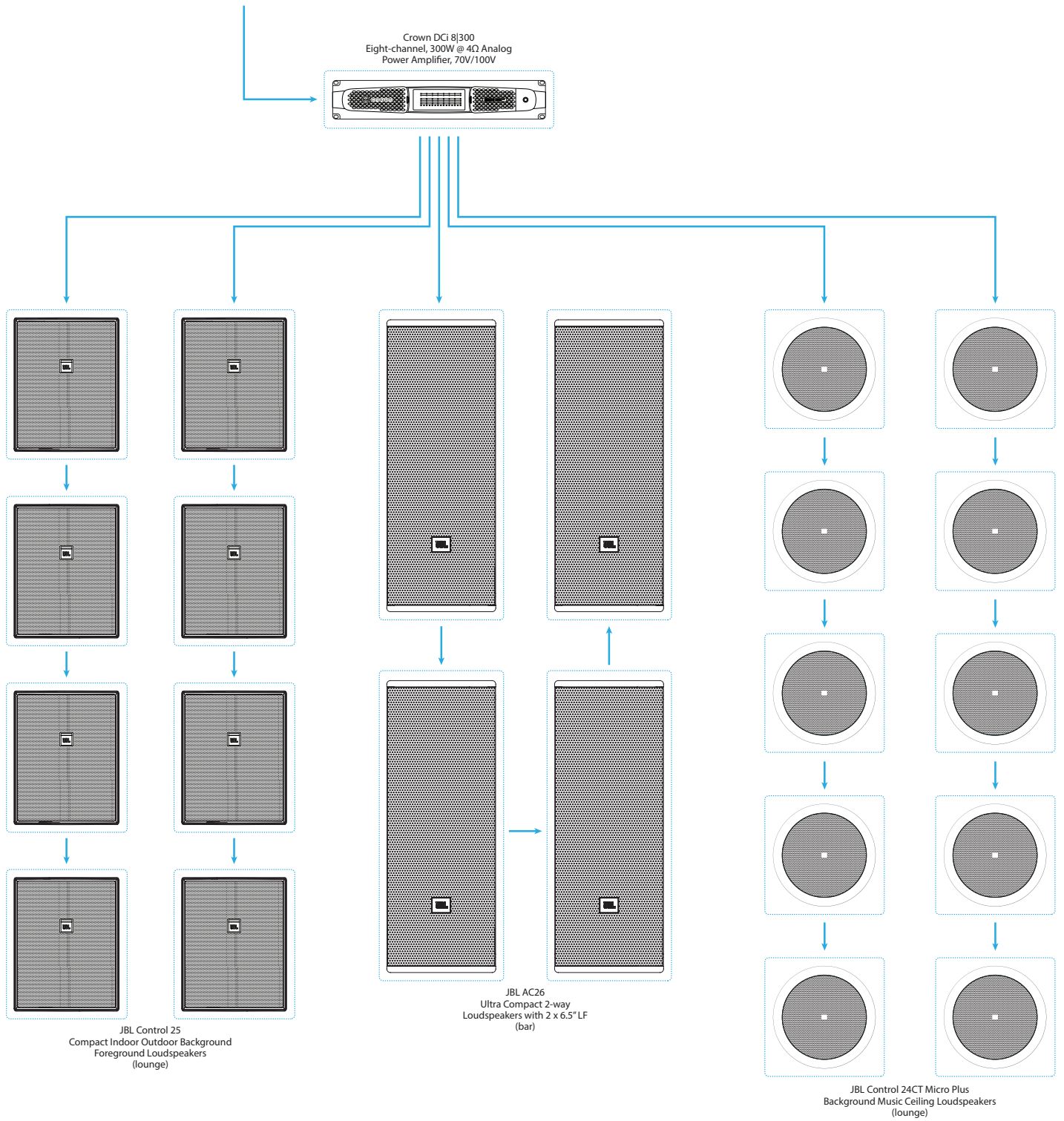
Control of the content is easy with an AMX NetLinx Integrated controller and Modero G5 touch panel. The touch panel can be configured to initiate pre-programmed macros that include a large or small series of commands. This, for example, could include "morning setup" where the volumes are lower and a variety of preselected channels featuring the most popular sporting stations show throughout the establishment. Or, the touch panel choices can be arranged to provide single source and destination choices - or anything in between. In this sample application there would likely be a button for paging override with zone selections so the bartender or host could also do the paging. Or, the system could be setup that anytime the pager is used it overrides the audio in all zones. The level of simplicity, or complexity, is truly up to the designer and customer requirements.

This is just one example solution from HARMAN Professional Solutions. Contact a HARMAN Representative for more information.

# NETWORKED AV SPORTS BAR - SYSTEM DIAGRAM



NETWORKED AV SPORTS BAR - SYSTEM DIAGRAM - CONTINUED



- Ethernet
- HDMI
- Control
- Audio



### AMX N2300 Series 4K 4K30 4:2:0

Don't miss a single moment watching the big game or reviewing video at the big meeting with the 4K over IP solution that is fast enough for live action even price sensitive markets will appreciate. The new AMX SVSI N2300 Series Encoders and Decoders are designed to distribute beautiful 4K video with less latency, and consuming less power - all at an extremely competitive price.



### JBL AE Compact Series

The JBL AE Compact family consists of high output, 2-way loudspeaker systems combining flexibility with high fidelity. Ranging from a single 5.25" point-and-shoot box to dual 8" loudspeaker systems designed specifically to better serve the needs of designers and artists alike. The ultra-compact AC15 and AC25 models include a 1" dome tweeter while the AC16, AC26, AC18, and AC28 models feature 1" exit compression drivers providing sonic clarity and crisp detail.



### AMX Modero G5 Touch Panels

AMX Modero G5 is the face of the most secure AV control system. Beautiful, streamlined user interfaces that integrate all the functionality needed to control room technology including sources, devices, lighting, and more. Get complicated user interactions out of the way so business, learning and entertainment can get underway. Available in 20", 10" and 7" tabletop and 10" and 7" wall mount.



### dbx ZonePro 640 Digital Zone Processor

With 6 inputs and 4 outputs the dbx ZonePRO 640 provides flexible signal routing, powerful DSP processing and multiple control interfaces for Commercial Audio applications. The 640 provides input processing like gain control and EQ, highly sophisticated and specific functions such as selectable paging microphone processing including Gating, De-Essing, Auto Gain Control, Compression and Feedback Suppression, and a routing module that provides of course Primary Source Selection but also Source Ducking for Paging and Priority Override.



### Crown DCi DriveCore Installed Amplifiers

The Crown DCi DriveCore Amplifiers are purpose built for installed sound with patented DriveCore technology for superb efficiency and exemplary audio quality. Available in two, four or eight channels per amplifier at 300, 600, 1250 or 2400 watts per channel. In addition, there are models available that support Dante/AES67, BLU link, AVB and CobraNet



### JBL Control Contractor Series Loudspeakers

Spanning a complete range of surface-mount (on-wall), in-ceiling and in-wall models, the variety of solutions offered by the Control Contractor Series give you complete mastery of any architectural, aesthetic or system performance requirement. All with sound from JBL, simply select the loudspeaker for the architectural, form factor and sonic requirement and the resulting sound system will always deliver superior performance, reliability and value.

