



The Club Application

The **XONE:464** build quality, versatility and number of inputs and outputs make it ideal for high performance professional club installation.

Hybrid application The console provides facilities for dance/DJ and live/cabaret mixing. As a 'house' mixer it would be expected to alternate between house DJ, performance DJs, live acts, cabaret, karaoke, background music, and so on. The following example is just one of many possibilities, each dependent on the particular application. Refer to the diagram opposite.

Overview Here we have a club venue that features both house and guest DJ sessions providing a sound and light experience for the dance floor. **XONE:464** presents the DJ with a unique set of easy to use live performance tools to creatively manipulate the sound and excite the audience. The club maintains its appeal by staging live cabaret and music acts as well as the dance sessions. A typical evening may start with background music, move to dancing as the house DJ takes over, introduce the featured guest DJ performance, and then change the mood for some live cabaret, all this under the control of **XONE:464**. The sound system can be divided into three key areas:

BOOTH This is where the sound is controlled, typically overlooking the dance floor and raised so that the performance of the DJ can be seen. Flanked by the music sources the **XONE:464** forms the heart of the system. This example shows no fewer than 4 RIAA turntables, 2 CD decks, a background music CD player, and MiniDisc and DAT players for alternative format material. Note that while this illustrates the capability of **XONE:464** many real club applications may not need as many sources as this. The performance is enhanced by patching in a sampler effects unit. The DJ uses headphones to cue the sources, split-cue helping him match the beat between tracks. The local monitor output feeds high power booth monitor speakers so that the DJ can 'feel' the music. In this case the music only mix feeds these speakers with cue disabled to prevent cue spill on to the dance floor and to avoid feedback should he cue his own microphone. A stereo recorder is fed from Mix1 to record the music only performance.

DANCE FLOOR This is the dance area with high tech music system and light show. Typically, 4 speakers are hung, one at each corner, supplemented by a sub bass cabinet on the floor to enhance the low bass. **XONE:464** feeds these speakers with the music only mix derived from Mix1 output. The mono output is switched from Mix1 to feed the sub bass system. A socket is also provided to send the mono mix to the sound-to-light controller for music linked lighting effects. Sound level control is maintained by inserting output limiters to prevent system or hearing damage, or indeed a visit from the regulations authorities!

STAGE This is where the cabaret and live music acts are performed, typically alongside the dance floor. This example shows a solo singer/guitarist using MiniDisc backing tracks, and the club MC (Master of Ceremonies) who introduces the performances. Most of these small club acts do not require, or cannot afford, their own engineer driven mixing consoles. **XONE:464** provides all the facility needed to mix up to 4 microphones and additional stereo sources. As with professional live consoles, compressors are inserted into the mic channels to keep unexpected peaks in check. Similarly a reverb processor is patched in to add ambience to the live act. Dedicated left and right speakers face the dance floor and are fed with the Mix2 output. This is the microphone mix with music added by selecting the Mix1 to Mix2 underpanel routing switch. Note that the mic signals are prevented from getting to the dance floor speakers and lighting controller. Two stage monitor speakers are shown giving the musician and the MC their own independent mix fed from Aux 1 and 2.