



## Applications Notes

### Remote Control of Loudspeaker Stations

A loudspeaker station which has been turned down or turned off can result in missed cues or messages, without the sender being aware that it has happened.

A loudspeaker station blaring out cues or messages not intended for the area served can be, at the least, embarrassing.

Two loudspeaker stations in close proximity can create serious feedback problems if switched to 'talk' mode simultaneously.

**Production Intercom** loudspeaker stations are equipped with a circuit which can be activated remotely, and which 'overrides' the front panel controls. Volume can be turned up or down. Stations which are turned off can be turned back on. Stations can be prevented from trying to 'talk' when they are supposed to be listening.

The 'override' circuit in listen-only (LS-2) and talkback (LS-3) loudspeaker stations is triggered by an ultrasonic (25kHz) tone generated by an override generator card (OG904) located elsewhere in the system. An OG904 can be fitted into any station which will also accept a microphone, i.e: master stations, headset stations (including belt packs), or even another LS-3 talkback loudspeaker station. The tone can be activated by a separate switch added to the sending station, or by its microphone on/off switch.

Since all **Production Intercom** loudspeaker stations already include the detection and activation circuitry, the only added cost is the OG904 generator card, and its installation in the sending station.

When an LS-2 or LS-3 loudspeaker station has been overridden, a green LED on the front panel is lit.

Any number of loudspeaker stations can be overridden simultaneously from one OG904 generator card, each to its own appropriate override mode.

Applications include:

1. Muting a box office loudspeaker station except when messages are intended for it.
2. Restoring the volume at a dressing room loudspeaker station which has inadvertently been turned down.
3. Switching a backstage loudspeaker station back on when it has been switched off.
4. Muting a second loudspeaker station while a nearby station is in talk mode, to prevent feedback.

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