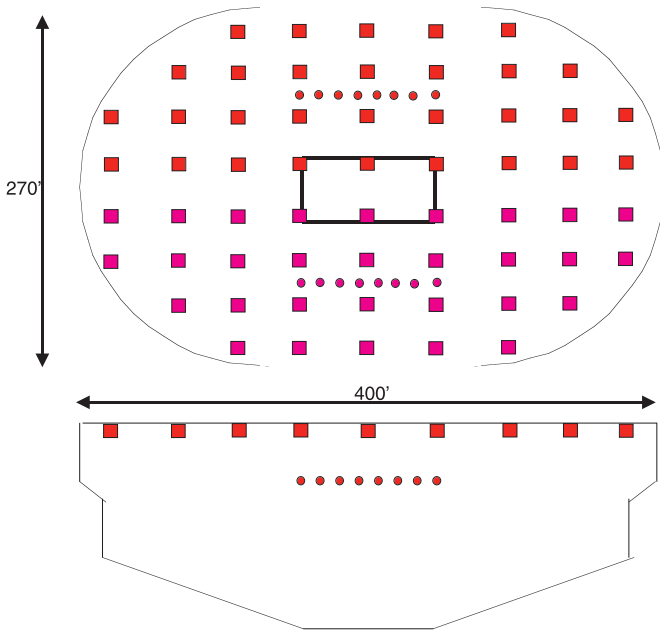


Purpose of installing AFC

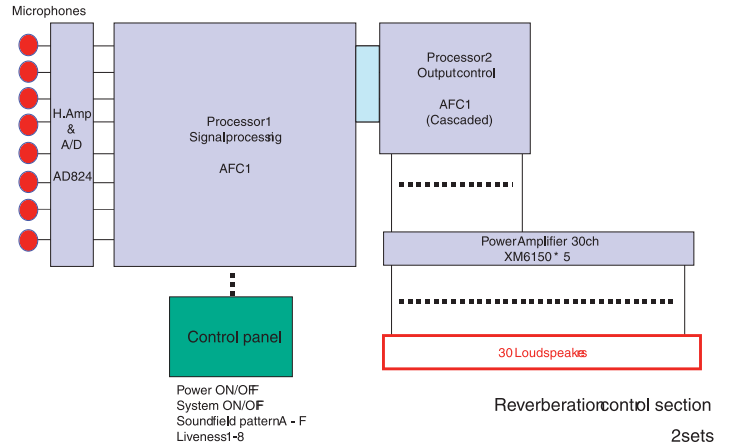
1. Extending reverberation time for Reverberance
2. Increasing sound pressure level for Loudness and Intimacy
3. Exchanging the sound energy between stage and audience area for Uniformity

System Configuration



- ● : Microphone for reverberation
- ■ : Loudspeaker for reverberation

System Diagram



System components

No.	Description	Specification	Model	QTY
1	Microphone	e.g. Miniature Boundary-Layer Capsule Frequency range: 20 Hz - 20 kHz Sensitivity: 19 mV/Pa Equivalent noise level: A-weighted: 12 dB-A ,CCIR: 23 dB Signal-to-noise ratio (A-weighted): 82 dB-A Maximum SPL(0.5% THD): 128 dB	-	16
2	Head amp & AD	24-bit linear, 128-times oversampling Frequency response -3, +1dB, 20Hz-20 kHz, GAIN -62 dB Dynamic Range 110 dB Hum & Noise Level -92 dB	AD824	2
3	Sound field processing		AFC1	2
4	Output control section		AFC1	2
5	Digital I/O card		MY8-AE	4
6	Analog output card		MY8-DA96	8
7	Power amplifier	Output level 100 W*6ch THD+N <0.2% S/N Ratio 100 dB Channel separation >60 dB	XM6150	10
8	Loudspeaker	e.g. Frequency Response 60Hz-16kHz Power Rating program/peak 300/600 Imp 8Ω SPL(1W,1m) 97dB	-	60
9	Control panel	Power ON/OFF System ON/OFF Sound field pattern 6 Liveness 1-8	Custom	1