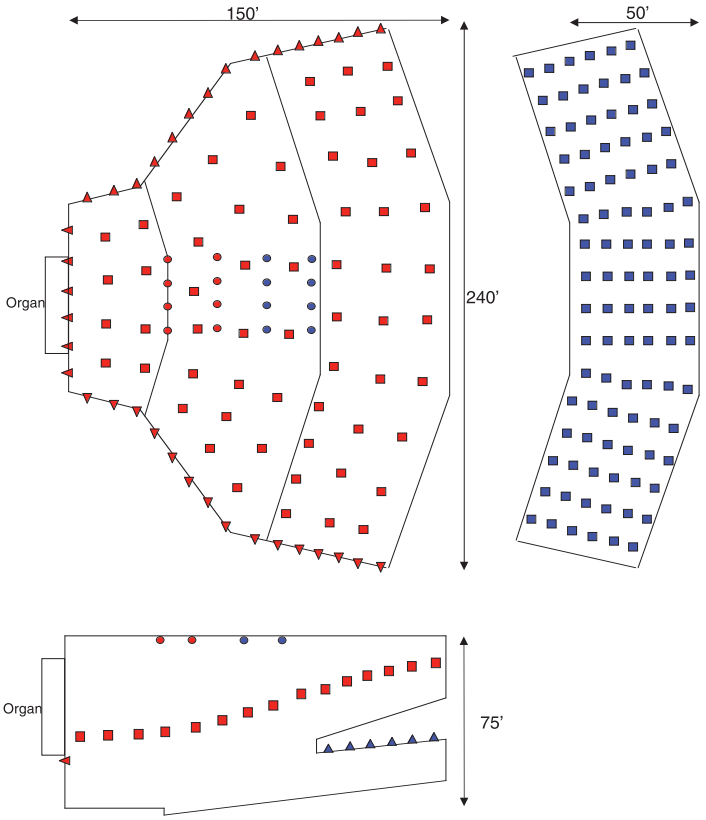
System Examples #5

Worship space with 10,000 seats

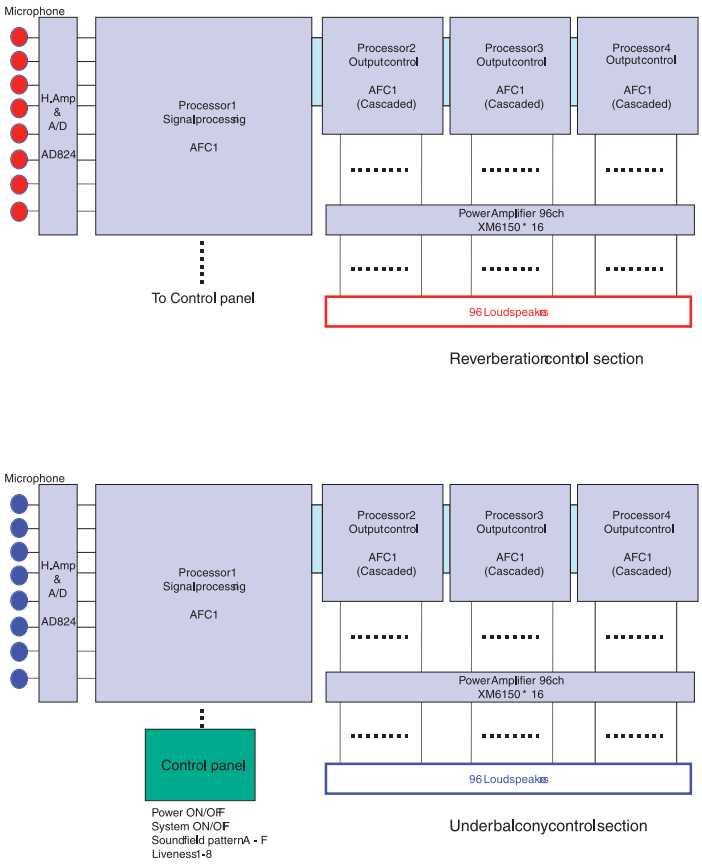
Purpose of installing AFC

1. Extending reverberation time for Reverberance
2. Increasing sound pressure level for Loudness
3. Improvement of Stage acoustics
4. Improvement of the sound field in Under balcony area

System Configuration



System Diagram



YAMAHA ACTIVE FIELD CONTROL

System Examples #5

Worship space with 10,000 seats

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	6
5	Digital I/O card		MY8-AE	4
6	Analog output card		MY8-DA96	24
7	Power amplifier	Output level 100 W*6ch THD+N <0.2% S/N Ratio 100 dB Channel separation >60 dB	XM6150	32
8	Loudspeaker	e.g. Frequency Response 60Hz-16kHz Power Rating program/peak 60/200 Imp 6Ω SPL(1W,1m) 89 dB	-	96
9	Loudspeaker	e.g. Frequency Response 60Hz-16kHz Power Rating program/peak 300/600 Imp 8Ω SPL(1W,1m) 97dB	-	96
10	Control panel	Power ON/OFF System ON/OFF Sound field pattern 6 Liveness 1-8	Custom	1