

Option 5 (a) Full Matrix System

Note	Requirements / Criterias	Application In :
Small system which requires different zones to receive different type of BGM and paging of one zone to another would not interrupted currently BGM being played	Zone up to 16 zones (Cascade of 8) Single or multiple connected buildings Medium cost Multi audio transmission ; uninterrupted Comply to Fire Code (option) - Interface with fire alarm panel - EVAC voice messaging - Emergency paging override - Amplifier changeover - Speaker line monitoring (option at some locality) - Back up power supply	Mixed development complex Universities, colleges, schools Hotels and resorts Residences Transportation hubs ie. Bus, Rail, Airports Clubhouse, , Offices

Equipment List

Item	Equipment Model					Selection Note
Paging microphone	PD1240	PD1280	PD1900	PD1160		Select type required
Emergency paging microphone	EP1200					Optional according to system requirement
Music Source	CD1001	MP1020				Other music sources can be included
EVAC audio	MR1301	CM1400				Optional according to system requirement
Fire alarm interface	FI6000					Optional according to system requirement
Matrix controller	MxP2288					Required
Matrix remote control panel	RP1104					Optional according to system requirement
Power amplifier	PA Series	QP Series	DP Series	QD Series		Each channel would require one amplifier
Amplifier changeover	AX3800					Optional according to system requirement
Amplifier monitor panel	AM4120					Optional according to system requirement
Line monitoring	LS4808	LS4816				Optional according to system requirement
24V regulated power supply	PS9400					Required
Battery charger	BC9740					Optional according to system requirement
Battery bank						Optional according to system requirement
Volume controller	VC7000	VC8000	VR7600			Select according to power requirement and model
Local patch panel	VP7501					Optional according to system requirement

Speaker types according to choice

Drawing Descriptions	Drawing Reference	Application Example
Basic matrix system	pa - matrix 1	Residences, Club house, hypermarkets etc as sub system
Matrix to comply with Fire Codes	pa - matrix 2	Mixed developments, office towers, etc

Option 5 (b)

Semi Matrix with Zone Groupings

Note	Requirements / Criterias	Application In :
Larger matrix system in system which requires different source to be broadcasted to different group of zones but all controlled centrally., such as in mixed development projects, hotel sector to receive BGM1, podium to BGM2, carpart to BGM and so forth. Each group shall be further expanded to multiple zones	Zone up to 250 zones Single or multiple connected buildings High Cost Multi audio transmission ; uninterrupted between grps Grouping of zones with shared inputs Comply to Fire Code (option) - Interface with fire alarm panel - EVAC voice messaging - Emergency paging override - Amplifier changeover - Speaker line monitoring (option at some locality) - Back up power supply	Mixed development complex Universities, colleges, schools Hotels and resorts Residences Transportation hubs ie. Bus, Rail, Airports Clubhouse, , Offices

Equipment List

Item	Equipment Model					Selection Note
Paging microphone	PD1240	PD1280	PD1900			Select type required
Emergency paging microphone	EP1200					Optional according to system requirement
Music Source	CD1001	MP1020				Other music sources can be included
EVAC audio	MR1301	CM1400				Optional according to system requirement
Fire alarm interface	FI6000					Optional according to system requirement
Matrix controller	MxP2288					Required
Matrix remote control panel	RP1104					Optional according to system requirement
Power amplifier	PA Series	QP Series	DP Series	QD Series		Each channel would require one amplifier
Amplifier changeover	AX3800					Optional according to system requirement
Zone decoder / selector	TD6400					Quantity subjected to size of zones
Amplifier monitor panel	AM4120					Optional according to system requirement
Line monitoring	LS4808	LS4816				Optional according to system requirement
24V regulated power supply	PS9400					Required
Battery charger	BC9740					Optional according to system requirement
Battery bank						Optional according to system requirement
Volume controller	VC7000	VC8000	VR7600			Select according to power requirement and model
Local patch panel	VP7501					Optional according to system requirement

Speaker types according to choice

Drawing Descriptions	Drawing Reference	Application Example
Matrix with zone groupings	pa - matrix 3	Mixed developments, office towers, hotels etc