SAMPLE SCHEMATIC : DRAWING REFERENCE : pa-matrix 1

BASIC MATRIX SETUP FOR RESTAURANTS / CLUB HOUSE / RESIDENCE AND SIMILAR APPLICATIONS

Desktop Paging Mic
Amperes PD Series

BGM Audio Source 1
Amperes CD1002 etc

BGM Audio Source 8
Amperes CD1002 etc

Voice Message Player
Amperes MR1301 MK II

Cat 5e (in 50m)

Matrix Controller
Amperes MxP2288

To Equipment Powered by 24V DC
(indicated as ⊚)

DC Back Up Supply

24V DC Power Supply
Amperes PS9400

2 x 12V DC SLA
Battery Bank

24V DC Battery Charger
Amperes BC9740

DC Contactor

Note :
We recommend using Contactor
for DC Back Up to Power Amplifiers

DC Back Up
for Power Amplifiers

RS485 (Cat5e)

Duty Power Amplifier
Amperes DP/QP/QD/PA Series

Duty Power Amplifier
Amperes DP/QP/QD/PA Series

Duty Multi Channel Power Amplifier
Amperes DP Series

Standby Power Amplifier
Amperes DP/QP/QD/PA Series

Auto Standby Changeover
Amperes AX3800

Remote Control Panel
Amperes RP1104

1 Pair Speaker Cable : 14 Awg

ZONE 1 : CHINESE RESTAURANT

ZONE 2 : JAPANESE RESTAURANT

ZONE 3 : WESTERN RESTAURANT

ZONE 4 : FUNCTION ROOM

1. Above illustration shows a basic Matrix application for multiple room eg. restaurants, club house etc
2. Cascade Matrix Controller to expand to more zones
3. Max input sources for BGM is 8
4. Use of Battery charger / back up is optional
5. The above shall be considered as supplement system to building overall PA system and option to
   link for emergency paging / evacuation can be achieved

Disclaimer :
The above is an illustration of possible configuration for this category. Amperes is not liable for
any claim or whatsoever for errors in installation.
For specific applications, please contact our technical team for further advice.