DA-480Z / DA-481Z

Features

- 4 x Mic/Line Inputs, 2 x Aux Inputs
- 1 x 480 W / 70 -100 V Output / 4 x switchable zones
- MP3 player for DA-481Z
- Siren & Chimes

- DSP functions
- RS-232
- USB interface for PC Editor
- Optional Dante Card

DA Series is an upgraded version of the most successful Public Address amplifiers from the brand. Now, these devices feature new Class-D power technology, DSP functions, software control and optional Dante networking in one single 2U rack package. It is a compact, easy, stand-alone and cost effective solution for paging and broadcasting music in bars, restaurants, shops, offices and small to medium size venues.

The DA-480Z and DA-481Z have the same characteristics; both models are differentiated by a built-in MP3 player for the DA-481Z. 4 x Mic/Line inputs are available, plus 2 x Aux inputs for a two channel source, with volume knobs for immediate adjustment. The 480 W output is divided in 4 switchable zone outputs sharing the same program.

Mute control for the priority Microphone, chimes and siren sounds can be set from the rear and front panels easily.

For optimized sound quality, DA Series feature a DSP engine where functions can be edited via a PC, including Gain, Parametric EQ, Delay, Compressor, Bandpass Filters, Crossover Filters, Routing and Effect. The optional Dante card offers networking facilities, especially for long distance audio transport and internet operability.

A RS-232 port is available as well, for third party equipment remote function.

An additional control output 1 W into 8 Ω is available for monitoring and a telephone paging input can be used for outside priority message.
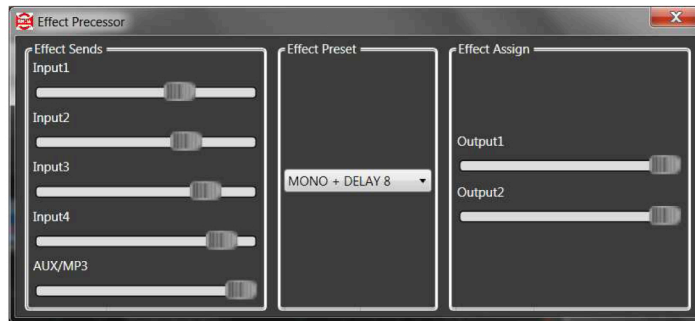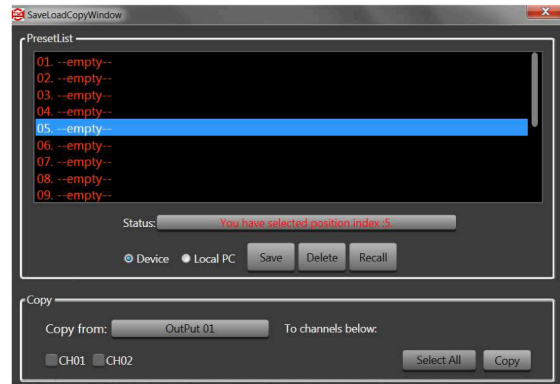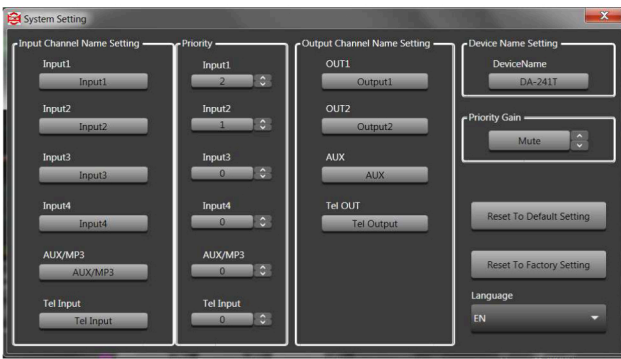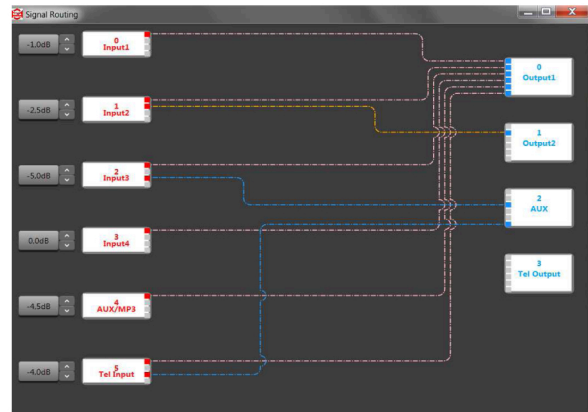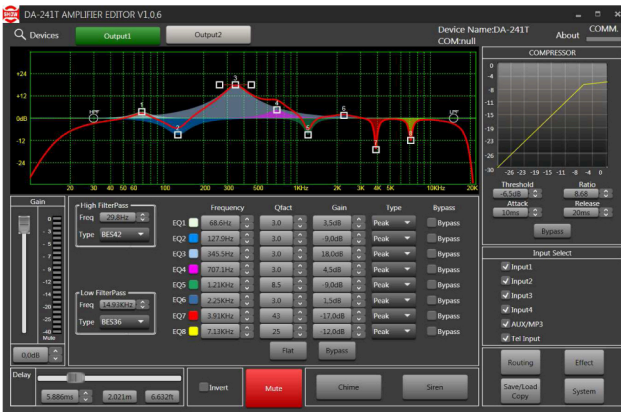
Specifications

DA-480Z / DA-481Z

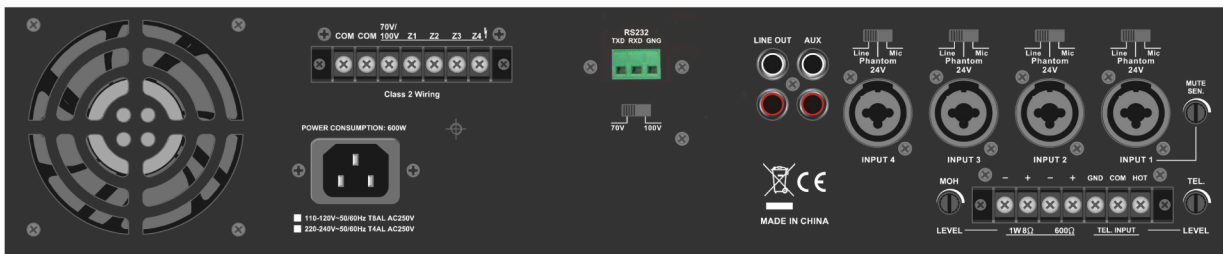|	
Power Supply	AC 115/230V 50/60Hz
Power Output	DA-480Z / DA-481Z : RMS 480W (70V / 100V)
Input / Output	DA-480Z : 4 x Mic/Line IN , 2 x Aux IN / 1 x OUT (4 Zones)
	DA-481Z : 4 x Mic/Line IN , 2 x Aux IN (MP3 Player) / 1 x OUT (4 Zones)
Frequency Response	Mic: 80Hz-16kHz (+/-3dB)
	Aux: 50Hz-20kHz (+/-3dB)
Input Sensitivity (balanced @ 1kHz)	Mic (balanced): -50dBv +/-2dBv – 24V Phantom Power
	Line (balanced): -10dBv +/-2dBv
	Aux (unbalanced): -10dBv +/-2dBv
External Ports	USB Port for PC software control
	RS-232 Interface for third party software control
DSP Functions	Routing/ Crossover/ EQ/ Delay/ Compressor etc.
THD+N (1kHz/-3dBv)	< 0.1%
S/N Ration	Mic: > 60dB / AUX: > 70dB
CMRR (balanced @ 1kHz)	> 60dB
Crosstalk (1kHz)	> 60dB
Output	70V / 100V switchable
Line Out	1V+/-0.2V
MOH.	1W@8Ω / 1V@600Ω
TEL. Input	-10dBv=/-2dBv
Dimension (W x D x H)	434 x 353 x 88mm (17.1" x 13.9" x 3.47"
Weight (Approx.)	6.5kg (14.33 lbs)

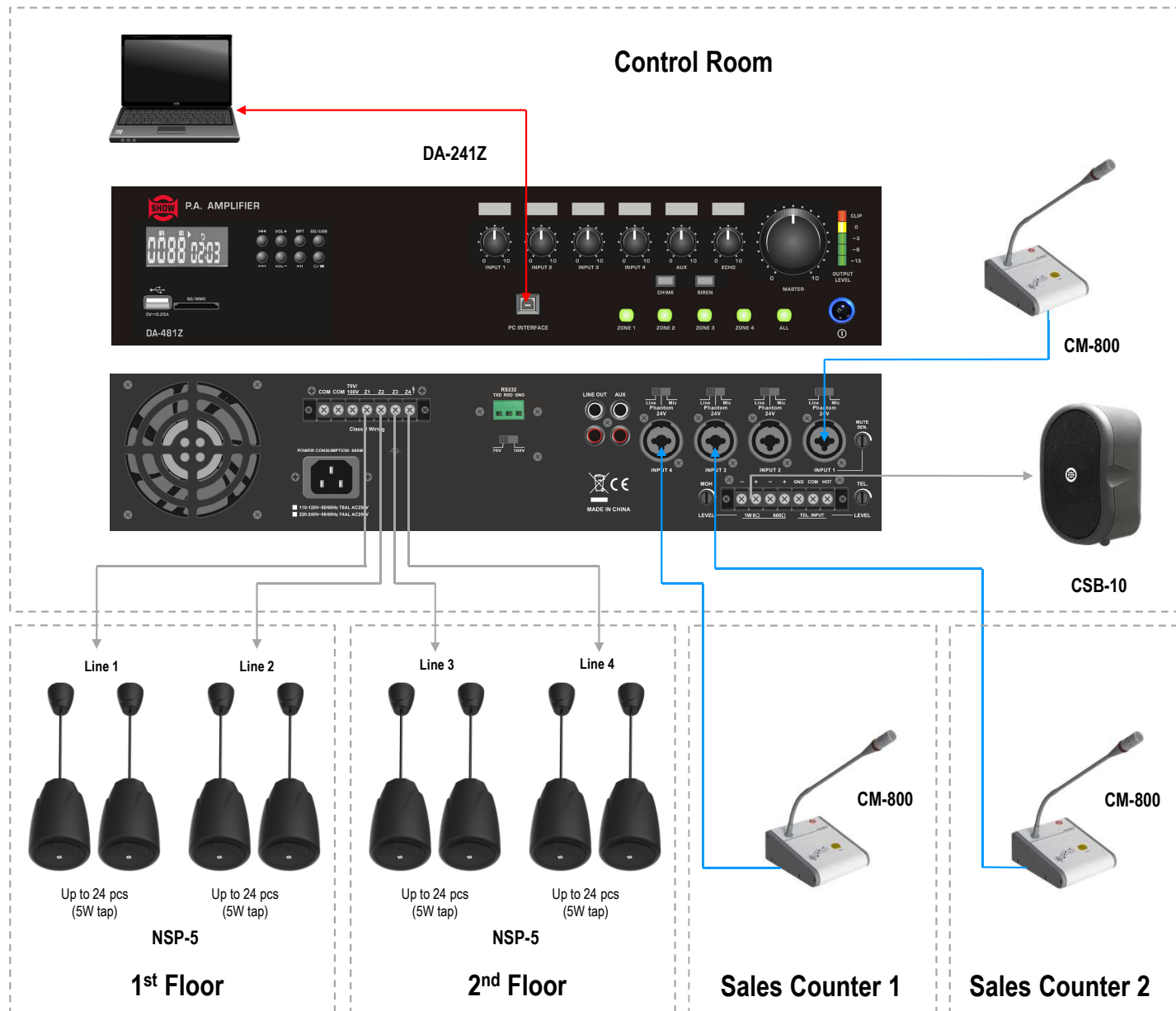*Specifications subject to modification without notice*

Editing Software

The following screens show the editing software windows for 2 channel output models DA-240/241T.
The editing software for DA-4800/4811Z is similar but with only one output channel.

Rear panel

Control Room

DA-241Z

P.A. AMPLIFIER

DA-481Z

CM-800

CSB-10

Line 1　　Line 2　　Line 3　　Line 4

Up to 24 pcs (5W tap)　　Up to 24 pcs (5W tap)　　Up to 24 pcs (5W tap)　　Up to 24 pcs (5W tap)

NSP-5　　　　NSP-5

CM-800　　CM-800

1st Floor　　**2nd Floor**　　**Sales Counter 1**　　**Sales Counter 2**

Control of 2,500 m² commercial area

This application is very easy to set up and it is suitable for many department store or commercial center configurations.

Thanks to the 480 W built-in Class-D amplifier, there is no need for additional devices except speakers and mics.
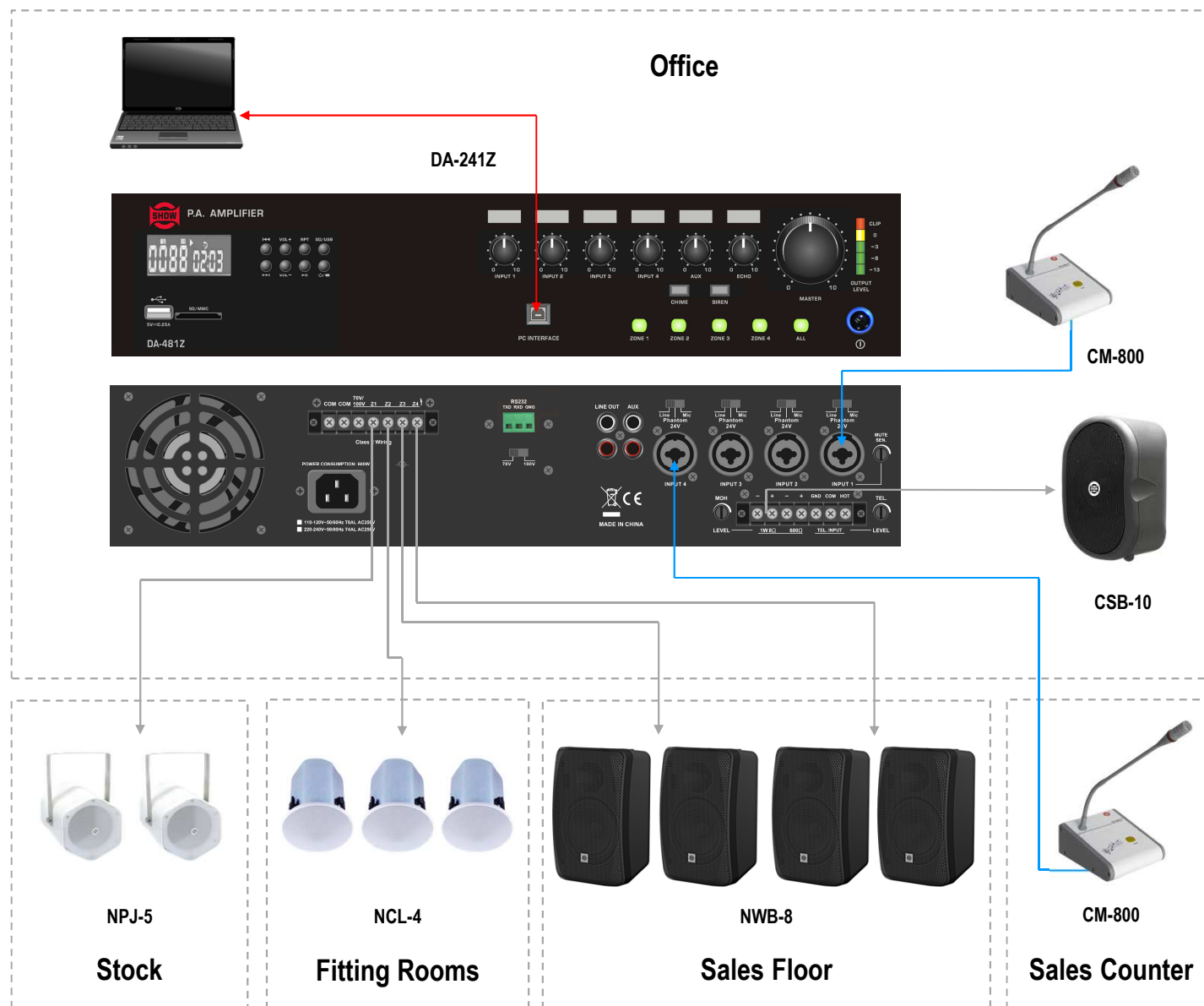
Up to 96 speakers (5W /100V) can be connected to the 4 high impedance lines, resulting in a coverage over 2,500 m² of commercial surfaces or walkway areas.

The 4 zone volumes and EQs are individually set from the control room using the PC Editor. A master level is available on the front panel including zones On/Off switches for quick adjustment.

The sound source like BGM, is selected from built-in MP3 (DA-241Z), Line In, Aux In or Dante optional card, and can be controlled from PC as well.

Three paging microphones with priority levels are used for message broadcast in the 4 zones.

A 1W output is connected to a small passive speaker for monitoring.

DA-480Z / DA-481Z

Retail Store - Application Guide

SHOW

Office

DA-241Z

P.A. AMPLIFIER

DA-481Z

PC INTERFACE

ZONE 1 ZONE 2 ZONE 3 ZONE 4 ALL

INPUT 1 INPUT 2 INPUT 3 INPUT 4 AUX ECHO MASTER OUTPUT LEVEL

CHIME SIREN

CLIP 0 -3 -6 -10

CM-800

CSB-10

NPJ-5

Stock

NCL-4

Fitting Rooms

NWB-8

Sales Floor

CM-800

Sales Counter

Simple installation

This application is very easy to set up and it is suitable for many retail store configurations.

Thanks to the 480 W built-in Class-D amplifier, there is no need for additional devices except speakers and mics.

4 pcs, or more 80 W high impedance speakers can be used for the sales floor, giving a punching sound for fashion stores. The remaining power can feed the stock and fitting rooms or an additional sales area if necessary.

The 4 zone volumes and EQs are individually set from the office using the PC Editor. A master level is available on the front panel including zones On/Off switches for quick adjustment.

The sound source like BGM, is selected from built-in MP3 (DA-241Z), Line In, Aux In or Dante optional card, and can be controlled from PC as well.

Two paging microphones with priority levels are used for message broadcast in the 4 zones.

A 1W output is connected to a small passive speaker for monitoring.