

Digital Power Amplifier

DPX-300Q/600D/900S/1200S



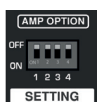
The DPX series is an Inter-M's high-end digital PA amplifier which is equipped with various protection functions including what it can cover a user's mistake, as well as maintains the advantages of DPA amplifier, which is one of the best-selling models in Inter-M such as AC/DC power redundancy, priority input, and remote control terminal. It is the high-performance amplifier for various situations that can occur in a field, such as reverse voltage, ground fault, output short, over-input, voltage error, overheating, etc... And the user can immediately check the status of the problem via LED and buzzer.

It is possible to prevent in advance from the problem that can occur from small spaces like stores and low floors of building to large spaces which require distributed control, such as commercial buildings and schools.

... Feature

- **2U SIZE Class-D AMP using high output SMPS power**
- **Support for emergency broadcasting power (DC 24V)**
In case of power failure, it can be operated with an emergency broadcast battery (DC 24V) without a separate UPS.
- **Provides various outputs and channels according to the installation environment**
300W : DPX-300Q (4CH), 600W : DPX-600D (2CH), 900W : DPX-900S (1CH), DPX-1200S (1CH)
- **Priority broadcast (PRIORITY) function**
Output PRIORITY input signal in case of emergency
- **Status LED / Input Signal Level Meter**
-30dB, -10dB, CLIP signal indicator, PROTECTION indicator, FAULT indicator, STBY/AC/DC indicator
- **Various protection circuits**
Protection circuit design for amplifier overheat, output short, over input, reverse voltage, earth fault, power failure and DC output
- **AC POWER REMOTE contact**
Set power can be turned on/off remotely using contacts
- **Audio link connector**
- **Buzzer on/off**

AMP Option Setting Switch



It is a switch that sets the operation of the device.

| | | | |
|---|------------------------------------|---|---|
| 1 | 100V/70V selector switch | A | AMP OUTPUT 100V output |
| | | B | AMP OUTPUT 70V output |
| 2 | AMP LATCH selector switch | A | Automatic recovery when AMP PROT occurs (Auto recovery after 10-15 seconds) |
| | | B | Manual recovery when AMP PROT occurs (POWER switch OFF/ON) |
| 3 | EARTH FAULT selector switch | A | Using the EARTH FAULT function |
| | | B | EARTH FAULT function not used |
| 4 | EARTH FAULT output selector switch | A | Block AMP OUTPUT's output when EARTH FAULT occurs |
| | | B | Maintain AMP OUTPUT's output when EARTH FAULT occurs |

※ The SETTING switch must be set when the power switch is OFF.
If the power switch is set in the ON state, the set value is not recognized.

Specification

| | DPX-300Q | DPX-600D | DPX-900S | DPX-1200S |
|-------------------------------------|--|----------------------|----------------------|---------------------|
| Rated Output Power (70V / 100V) | 300W x 4CH | 600W x 2CH | 900W x 1CH | 1200W x 1CH |
| Frequency Response (1W, ± 3 dB) | 50Hz ~ 20kHz | | | |
| THD (Rated Power) | Less than 1% | | | |
| S/N (20kHz LPF, A-wtd) | More than 95dB | | | |
| Input Sensitivity / Impedance | 0dBV / 20k Ω | | | |
| Output Level / Impedance | 100V / 33.3 Ω | 100V / 16.6 Ω | 100V / 11.1 Ω | 100V / 8.3 Ω |
| | 70V / 16.3 Ω | 70V / 8.1 Ω | 70V / 5.4 Ω | 70V / 4.1 Ω |
| Operating Temperature | -10°C ~ +40°C | | | |
| Operating Power | AC 220~240V, 50/60 Hz / DC 24V | | | |
| Power Consumption (1/8 Power) | 300W | 300W | 300W | 300W |
| Weight (SET) | 9.7kg/21.4lb | 9.4kg/20.8lb | 9.2kg/20.3lb | 9.2kg/20.3lb |
| Dimensions (SET) | 482(W) x 88(H) x 424(D)mm / 19(W) x 3.5(H) x 16.7(D)in | | | |