

## Functional Overview

The expansion card is according to the actual needs of users; is mainly used to increase host's extra functions, so as to achieve the user's personal needs.

CR-AD3AA0 analog card is used for CR-PGM III programmable control host's function expansion; it allows CR-PGM III host to increase control function of DMX512.

## Application Characteristics

- ◆ CR-link protocol input;
- ◆ DMX512 protocol output;
- ◆ The maximum 512 channel output;
- ◆ 256 stages of adjustable light gray ;
- ◆ The standard EIA485 interface;
- ◆ Adopting balance driver and differential receiver combinations, anti interference ability is greatly enhanced, namely anti noise interference ability is good.

## Operation Methods

- ◆ The control method of DMX512  
CR-PGM III host send certain roads and certain grey degrees to DMX512 control card, DMX512 control card receive the instruction to make corresponding output.

- ◆ Following are the programming function description of CR-PGM III when use DMX512 control card

```
SEND_DMX512()  
void SEND_DMX512(String dev,int channel,int  
val)
```

Function: to control DMX512

Parameters:

Dev – lighting device

Channel - : Equipment channel number

Val - :Value of Analog (Note: according to specific external equipment. )

Example:

```
lilt_L = L:7:DMX512; // Define DMX512  
equipment whose CRLINK ( CAN ) number is 7.  
SEND_DMX512(lilt_L,1,255);// to send analog  
value 255 to the first way of lilt_L.
```