

# EIA-485 IR Controller Specification

## INTRODUCTION

The NV-IRC01 is an EIA-485 IR control station (Figure 1). As an IR controller it receives EIA-485 commands and sends IR signals through IR transmitters (built-in or additional). It arranges for lighting, AV system, projector screen, window shades, thermostat, etc.

*Figure 1 Outlook of the NV-IRC01 Series*



### Feature:

- Smart and super fast IR Learning.
  - Support IR repeat code function.
  - Strong IR transmission: Dual IR blaster (360° and radius of eight meters).
  - Large storage for learning will be never lost. (Max:1024 different IR code)
- Support EIA-485 / UART.
  - Include power led and status led and buzzer.
  - Provide protocol and sample code for application.

### Specification:

- Input: DC 12V /1A (Power polarity error protection)
- Display: power led, status led, buzzer.
- Interface: EIA-485, IR-OUT port
- Baud rate:
  - EIA-485: 2400 / 4800 / 9600(default) / 19200 bps
  - UART: 115200bps (for backup and restore IR code)
- Device address ID: 16 (rotary dip switch hex type)
- Learning frequency : 10K~455KHz
- IR distance: 360°, 16 meters (diameter)
- Dimensions : W90mm x L65mm x H22mm
- Package : PE BAG



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