Compass Control® Modular System Guide:

PCS UPB Lighting Module

KD-ZRC300 Remote Control

www.keydigital.com/compass
Powerline Control Systems Lighting

PCS is a wireless home automation system that allows UPB Lighting to be controlled by your control system. All features may be integrated into your Key Digital Compass Control System.

Integrating UPB Lighting into a Compass Control KD-ZRC300 Modular Project

In order to use our KD-ZRC300 Remote to control UPB devices, you will need the Compass Navigator™ software.

- Simply create a new modular based project by clicking File, New, and then Modular based Project. Select a location and file name and click OK.
- Include the KD-ZRC300 Remote Controller by clicking on the dropdown options in the Controllers (iOS) section and choosing “Zigbee Remote”. Add the remote to the system by clicking “Add iOS Device” to the right of the dropdown menu.
- Add the UPB module(s) from the Local Modules library. If you cannot see the module listed, ensure that Compass Navigator™ is up-to-date with the latest software version.

Please Note:

Pressing ⊕, then ⊖ in the following commands are redundant if ID and/or Mode is set once.

If different Category was selected, then user must re-select L/S/H button and LIGHT button to regain control.
KD-ZRC300 remote commands for UPB Lighting

Jump into Scene Control
Press \( L/S/H \), then \( \text{LIGHT} \), then \( \text{A} \)

Scene Panel On
Press \( L/S/H \), then \( \text{LIGHT} \), then \( \text{ON} \)

Scene Panel Off
Press \( L/S/H \), then \( \text{LIGHT} \), then \( \text{OFF} \)

Scene Panel Raise
Press \( L/S/H \), then \( \text{LIGHT} \), then

Scene Panel Lower
Press \( L/S/H \), then \( \text{LIGHT} \), then

Scene 1
Press \( L/S/H \), then \( \text{LIGHT} \), then \( 1 \), then

Scene 2
Press \( L/S/H \), then \( \text{LIGHT} \), then \( 2 \), then

Scene X
Press \( L/S/H \), then \( \text{LIGHT} \), then \( X \), then

Jump into Single Dimmer Control (Single Light/Group)
Press \( L/S/H \), then \( \text{LIGHT} \), then \( \text{B} \)

Select Dimmer to Control
Press \( L/S/H \), then \( \text{LIGHT} \), then ID Value
(0-255, according to UPB Setup) then

Dimmer On
Press \( L/S/H \), then \( \text{LIGHT} \), then \( \text{ON} \)

Dimmer Off
Press \( L/S/H \), then \( \text{LIGHT} \), then \( \text{OFF} \)

Dimmer Raise
Press \( L/S/H \), then \( \text{LIGHT} \), then

Dimmer Lower
Press \( L/S/H \), then \( \text{LIGHT} \), then

Set Dimmer to Value
Press \( L/S/H \), then \( \text{LIGHT} \), then Value
(0-100) then

*Available after Dimmer ID has been chosen
Compass Navigator Variables for UPB Module

This variable is used in the module for selecting a UPB Device ID:

```c
extern string ModuleDeviceID;
extern string UPB_DestinationID;
extern string UPB_NetworkID;
```

By default, these values are set to zero. To set these values, click on the page for the device on your iOS device in Compass Navigator. UPB_NetworkID corresponds directly to the network ID in UPStart and UPB_DestinationID corresponds to the Unit ID, whether it is a group or individual ID. On the properties for this page (as shown to the right, type in the values for UPB_DestinationID and UPB_NetworkID in this format:

```
UPB_NetworkID. UPB_DestinationID
Example: 123.1
```
Remote Default Button Assignments

**ON/OFF**
Turns on / off selected device

**TV Selection**
Sets remote to control TV

**Cable Box Selection (Switch)**
Sets Cable Box as source for display and remote will control Cable box

**Blu-ray Player Selection (Switch)**
Sets Blu-ray Player as source for display and remote will control Blu-ray Player

**Audio/Video Receiver (Switch)**
Sets AVR as source for display and remote will control AVR

**DVR & Guide**
Used for Cable box commands

**Light**
Sets remote mode to Lighting Control

**Shades**
Sets remote mode to Shade control

**Video Control Buttons**
Rewind / Stop / Play (Pause) / Fast-forward

**Function Button “A”**
Programmable button
Defaults to Red / “A” button for cable boxes

**Heat**
In HVAC, sets thermostat to Heat Mode

**Function Button “B”**
Programmable button
Defaults to Green / “B” button for cable boxes

**Function Button “C”**
Programmable button
Defaults to Blue / “C” button for cable boxes

**Cool**
In HVAC, sets thermostat to Cool Mode

**Apple TV (Switch)**
Sets Apple TV as source for display and remote will control Apple TV

**Security Mode Selection**
Remote will control Security

**Light/Shade/HVAC Mode Selection**
Remote mode is set to LSH. MUST SELECT FROM LIGHT/SHADE/HVAC below

**Control Arrows and Select**
Navigates Up/Down/Left/Right Selects current option

**Exit**
Exits current menu for selected source

**Mute**
Mutes selected source

**Volume and Channel (Up/Down)**
Adjusts volume and Channel up and down for selected mode

**HVAC**
Sets remote mode to HVAC Control

**Numerical Buttons (0 to 9 + Enter)**
Numbered buttons for general use