AVD UPB Lighting Control 1.0.0 LE

This module allows control of UPB lighting and I/O modules with full feedback. It also gives the ability to dynamically program scenes (links) from a touch panel!

This limited-edition module was developed by AVD Media, Inc. and is being provided to you free of charge, courtesy of Home Controls and Simply Automated. The modules are protected and access to the source is restricted in the LE version of this software.

A full version is available from AVD Media, giving you full access to the SIMPL Windows and SIMPL+ source code—allowing you to modify and customize it to your particular tastes and desires. See the order form at the end of this document for details.

AVD Media is also available to modify this module for you and provides full service custom programming for your entire project. Ask about AVD Media's **A3**[TM] system which gives sales people writing contracts, installers in the field, and customers after the installation is complete—the tools they need to get the job done quickly and efficiently. The **A3**[TM] system lowers project costs, reduces installation headaches, and increases customer satisfaction!

Call AVD Media at 509-935-6560 and set up a demonstration of how A3TM can make your projects easier and more successful.

AVD UPB Serial Interface 1.0.0 LE

This module provides the connection to the UPB Serial Interface Module, or SIM (also called a PIM). Only one copy of this module can be added to the SIMPL Windows program.

Communication Information:

Serial Settings	
Baud Rate:	**4800**
Data Bits:	**8**
Stop Bits:	**1**
Parity:	**None**
Comm. Std:	**RS232**
Handshaking:	**HW None**
	SW None

A special cable is required for communication to the Serial Interface Module (SIM):

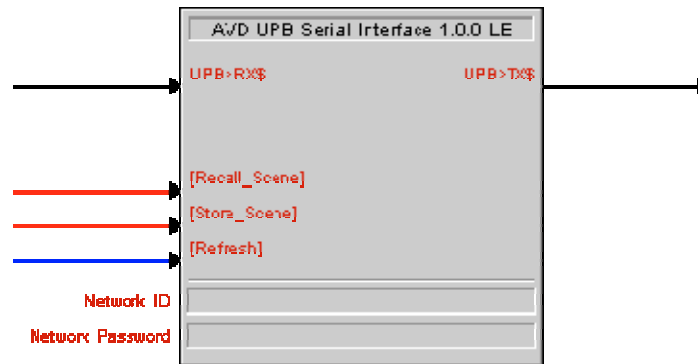| **Crestron** (DB9 Female)	**SIM** (DB9 Male)
2	2
3	3
5	5
7	4

SIMPL Windows Connections:

UPB>RX$: Connect to RX output on serial port.

UPB>TX$: Connect to TX input on serial port.

Recall Scene: Set to a number (1-250) to activate a scene or link.

Store Scene: Set to a number (1-250) to store the current lighting levels (for selected circuits) to a scene (or link). (See AVD UPB Dimmer 1.0.0 LE for info on selecting circuits.)

Refresh: Polls all dimmers for their current level.

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AVD UPB Serial Interface 1.0.0 LE

UPB>RX$                                    UPB>TX$


[Recall_Scene]
[Store_Scene]
[Refresh]

Network ID       [                    ]
Network Password [                    ]
```

Network ID: Set to your UPB network ID, as configured in UPStart or other UPB configuration program.

Network Password: Set to your UPB network password.

Notes:

- The AVD UPB Lighting system uses SIMPL Windows Crosspoint Signal Routing functionality. Please reserve control and equipment ID's of 51001 to 51250 for the AVD UPB Lighting system. If you are not using Crosspoint Signal Routing, you do not need to worry about this.

AVD UPB Dimmer 1.0.0 LE

This module provides the connections to the UPB Dimmers, Lamp, and Appliance modules. Use copy of this module in the SIMPL Windows program for each device.
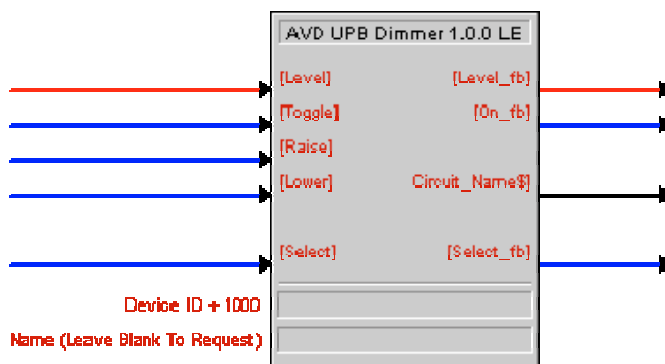
SIMPL Windows Connections:

Level: Analog input 0-100d indicating level.

Toggle: Same as UPB "Super Toggle".

Raise: Same as UPB "Top Super Rocker".

Lower: Same as UPB "Bottom Super Rocker".

Select: Toggles Select_fb. Connect to check box on touch panel.

Level_fb: Analog value (0-100d) showing current level of light.

On_fb: High when Level_fb > 0.

Circuit_Name$: Holds name of circuit. (Permanent String).

Select_fb: Determines what happens when Store_Scene on the AVD UPB Serial Interface module changes: If high, this switch will be added to the scene (link) and the current level stored. If low, this switch will be removed from the scene (link).

Device ID: Set to your UPB device ID + 1000. (e.g. if your device ID is 33, set this to 1033.)

Name: The value output at Circuit_Name$. Set to "" to request ID from UPB device.

Notes:

- Level and Level_fb are analog values of 0-100d indicating 0-100%. If full 0%-100% (0-65535) values are desired, use an analog scaler such as the Analog Scaler with I/O Limits to change these values. Do not connect Level to an analog ramp—UPB does not have the bandwidth needed to ramp levels this way.

- If Circuit Name is set to "" (empty double quotes), the program will request the room name and device name from the UPB device at startup. This process takes about 4 seconds for each device, so use with discretion.

- The AVD UPB Lighting system uses SIMPL Windows Crosspoint Signal Routing functionality. Please reserve control and equipment ID's of 51001 to 51250 for the AVD UPB Lighting system. If you are not using Crosspoint Signal Routing, you do not need to worry about this.
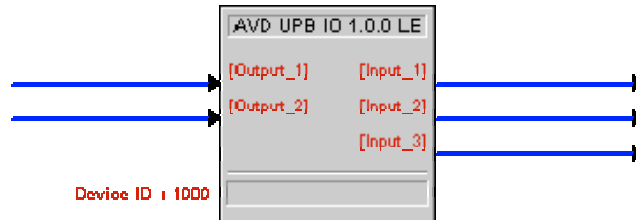
- AVD UPB IO 1.0.0 LE

This module provides the connections to the UPB IO modules. Use copy of this module in the SIMPL Windows program for each device.

SIMPL Windows Connections:

Output 1 & 2:
Activates output when high, deactivates output when low.

Input 1, 2, & 3:
High when input in active, low when input is inactive.

Device ID: Set to your UPB device ID + 1000. (e.g. if your device ID is 33, set this to 1033.)

Notes:

- The AVD UPB Lighting system uses SIMPL Windows Crosspoint Signal Routing functionality. Please reserve control and equipment ID's of 51001 to 51250 for the AVD UPB Lighting system. If you are not using Crosspoint Signal Routing, you do not need to worry about this.

Order Form:

_____
NAME

_____
COMPANY

_____
ADDRESS

_____

_____
CITY   **STATE   ZIP**

_____
E-MAIL ADDRESS

[   ] AVD UPB Lighting Control 1.0.0 (full version)   **$995.00**
      Ships on CD-ROM. Also available via the Internet. Call for details.

[   ] _____   _____

[   ] _____   _____

[   ] _____   _____

Shipping & Handling: **$10.00**

Total: _____

Mail with payment to: AVD Media, Inc.
                        PO Box 71
                        Chewelah, WA 99109

For questions or phone orders, please call: 509-935-6560