

RPM DEVICE CONFIGURATION GUIDE

NXB-CCG NETLINX CLEAR CONNECT™ GATEWAY

	ged in as admin acorr	
Configure Add Devices	Program	
Settings Web Logins	Integration Logins Firmware Update Support File	_
Network		
DHCP	Enabled Disabled	
CCT IP Address	192 . 168 . 108 . 112	
Subnet Mask	255 . 255	
Gateway	192 . 168 . 108 . 2	
DNS Server 1	192 . 168 . 20 . 6	
DNS Server 2	192 . 168 . 20 . 5	
Host Name	prodman .amx.internal	
Zero Configuration	Enabled Disabled	
Security		
Telnet	Enabled Disabled	
Telnet Port	23	
HTTPS Only	Enabled Disabled	
Language	English Français	
	Español	
	Deutsche	
	Copyright © 2012-2013 Lutron Electronics Co., Inc. All rights reserved.	ect

COPYRIGHT NOTICE

AMX© 2015, all rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of AMX. Copyright protection claimed extends to AMX hardware and software and includes all forms and matters copyrightable material and information now allowed by statutory or judicial law or herein after granted, including without limitation, material generated from the software programs which are displayed on the screen such as icons, screen display looks, etc. Reproduction or disassembly of embodied computer programs or algorithms is expressly prohibited.

LIABILITY NOTICE

No patent liability is assumed with respect to the use of information contained herein. While every precaution has been taken in the preparation of this publication, AMX assumes no responsibility for error or omissions. No liability is assumed for damages resulting from the use of the information contained herein. Further, this publication and features described herein are subject to change without notice.

AMX WARRANTY AND RETURN POLICY

The AMX Warranty and Return Policy and related documents can be viewed/downloaded at www.amx.com.

Table of Contents

Configuring Lighting Systems4
Overview
Select a Lighting Control Device and Configure Lighting Scenes
Configuring the NXB-CCG6
Overview
Accessing the NXB-CCG WebConsole 6
Configuring the NXB-CCG to Use a Static IP Address 7
Adding Devices 7
Supported RPM Clear Connect Lighting Controls 8
Adding a Clear Connect Wall Keypad 8
Adding a Clear Connect Occupancy Sensor 10
Adding a Dimmer 11
Adding a Switch 13
Programming the NXB-CCG (for Clear Connect Dimmers and Switches)15
Overview
Configuring Buttons 1-6: Adding Dimmer Functions 17
Configuring Buttons 1-6: Adding Switch Functions
Configuring Buttons 1-6: Adding Switch Functions.18Programming the CCD-W6BRL Clear Connect Keypad19Overview19Programming the CCD-OCRB-P (-WH) Clear Connect Occupancy Sensor22Overview22Configuring Sensor Actions: Adding Dimmer Functions.22Configuring Sensor Actions: Adding Switch Functions.23
Configuring Buttons 1-6: Adding Switch Functions18Programming the CCD-W6BRL Clear Connect Keypad19Overview19Programming the CCD-OCRB-P (-WH) Clear Connect Occupancy Sensor22Overview22Configuring Sensor Actions: Adding Dimmer Functions22Configuring Sensor Actions: Adding Switch Functions23Assigning Lighting Scenes to Macros24
Configuring Buttons 1-6: Adding Switch Functions18Programming the CCD-W6BRL Clear Connect Keypad19Overview19Programming the CCD-OCRB-P (-WH) Clear Connect Occupancy Sensor22Overview22Configuring Sensor Actions: Adding Dimmer Functions22Configuring Sensor Actions: Adding Switch Functions23Assigning Lighting Scenes to Macros24Overview24

Configuring Lighting Systems

Overview

RPM uses macros to configure Lighting devices. Lighting macros are based on *Scene Names* defined in the *Lighting – Device Details* page, as described below. Note that this page is only accessible if a Lighting device is included in your RPM project (as indicated in the *Devices* page (FIG. 1):



FIG. 1 Devices page

NOTE: You can access the Lighting - Device Details page by clicking on the Lighting icon in the Devices page.

Select a Lighting Control Device and Configure Lighting Scenes

1. The *Lighting - Device Details* page has two tabs: *Information* and *Configuration*. The initial view is of the *Information* tab. Use this tab to select a Lighting Device by *Manufacturer* and *Model*, and enter the required connection information. The example below shows that the NXB-CCG has been selected (FIG. 2):

nformation	e Details Configuration			\sim
Device Name	: * Lighting			
Manufacture	er: AMX			
Mod	el: NXB-CCG	+		
Model	el: NXB-CCG Control Method	+ Created By	Created Date	IP Address/DNS Nam
Model NXB-CCG	el: NXB-CCG Control Method IP	T Created By	Created Date 09/05/2012 at 3:06:02 AM	IP Address/DNS Nam * 192.168.222.333
Model NXB-CCG	el: NXB-CCG Control Method IP	Treated By AMX	Created Date 09/05/2012 at 3:06:02 AM	IP Address/DNS Nam * 192.168.222.333 Username:
Model NXB-CCG	el: NXB-CCG Control Method IP	+ Created By AMX	Created Date 09/05/2012 at 3:06:02 AM	IP Address/DNS Nam * 192.168.222.333 Username: * amx
Model NXB-CCG	el: NXB-CCG Control Method IP	Created By AMX	Created Date 09/05/2012 at 3:06:02 AM	IP Address/DNS Nam * 192.168.222.333 Username: * amx Password:

FIG. 2 Lighting - Device Details page: Information tab

2. Open the *Configuration* tab to view and configure up to six lighting scenes (FIG. 3):

Lighting - Dev	rice Details					
Information	Configuration	1				
C Scene Names						
Scene 1:	20%	Scene 2:	40%	Scene 3:	60%	
Scene 4:	80%	Scene 5:	All On	Scene 6:	All Off	

FIG. 3 Lighting - Device Details page: Configuration tab (default settings for Scenes 1-6)

These scenes represent the presets that will be accessible to the end user via the touch panel's lighting control page. As indicated in FIG. 3, each of the scenes has a default name that indicates its functionality.

3. Optionally, edit the Scene Names as desired. FIG. 4 shows an example of edited Scene Names (see Scenes 1-4 below):

Lighting - Dev	Lighting - Device Details					
Information	Configuration					
Scene Names						
Scene 1:	20% Dim	Scene 2:	40% Low	Scene 3:	60% Medium	
Scene 4:	80% High	Scene 5:	All On	Scene 6:	All Off	

FIG. 4 Lighting - Device Details page: Configuration tab (Scenes Names 1-4 edited)

NOTE: If a Scene Name is left blank, then that Lighting Scene will not be included in the finished project. To "delete" a scene, delete its' Scene Name.

4. Click Next to save changes.

NOTE: The six lighting scenes must be programmed on the NXB-CCG (NetLinx B Clear ConnectTM Gateway). See the Configuring the NXB-CCG section on page 6 for details.

Configuring the NXB-CCG

Overview

In order for the NXB-CCG NetLinx Clear Connect Gateway to work with the settings specified in RPM, there are settings that need to be configured on the NXB-CCG. The settings described in this section are configured via the setup pages in the NXB-CCG's online WebConsole.

NOTE: Refer to the NXB-CCG Operation/Reference Guide (available online at www.amx.com) for details on installing the NXB-CCG.

Accessing the NXB-CCG WebConsole

Accessing the NXB-CCG's WebConsole requires that the NXB-CCG is connected to a NetLinx Master and is powered on. Use the NetLinx Studio software application (available online at www.amx.com) to access the WebConsole as described below:

Use the Zero Configuration Bar in RPMLoader to access the WebConsole as described below:

- 1. In RPMLoader, select View > Zero Configuration Bar to display the Zero Configuration Bar (initially empty).
- 2. Right-click inside the Zero-Configuration Bar and select **Refresh Zero Config List**. This will generate list of all Zero-Configuration enabled devices connected to the Master. An example is shown in FIG. 5:

Zero Configuration	▼ Ŧ ×
ANX-900-210509x0860455 Config.Player-00-01-80-7A-81-AF Config.Player-00-01-80-7A-83-67 Config.Player-00-01-80-7A-83-67	-
 HMP100 - 001d500006ae HMP100 - 001d500006b4 HMP100 - 001d500009b6 IS-SFX-1000 - 123101SF2901124 IS-SFX-1000 - 123101SF3301785 IS-SFX-1000 - 123101SF3301808 IS-SFX-1000 - 123101SF3301874 IS-SFX-1000 - 123101SF3301885 IS-SFX-1000 - 123101SF3301885 IS-SFX-1000 - 123101SF3301874 	E
IS-SFX-I300 - 123115F30D0111 IS-SFX-1300 - 123115F30D0122 IS-SFX-1300 - 1231115F30D0148 IS-SFX-1300 - 1231115F31D0430 NXB-CCG-122900031 NXB-CCG-122900031	

FIG. 5 RPMLoader - Example Zero Configuration Device List with NXB-CCG

- 3. Right-click on the NXB-CCG in the Zero-Config devices list and select Launch Web Configuration Page via Default Browser.
- 4. Enter the default login information (FIG. 6):

AMX		v.1.0.17
	Username	
	Password	
	LOGIN	
&LUTRON	Copyright © 2012 Lutron Electronics Co., Inc. All rights reserved. Licenses and Software Notices	Clear Connect. Enabled

FIG. 6 NXB-CCG WebConsole - Login page

- default Username = Admin
- default Password = 1988
- 5. Press **LOGIN** to open the NXB-CCG's WebConsole to it's initial view the *Configure* page.
- 6. Open the Add Devices page (FIG. 7):

logged in as a	dmin			v.1.0.1
Configure Add Devices Program	Administration			
Add/Remove Devices				
Name		Туре	ID	Action
CCT Processor		Gateway	1	
LUTRON	Copyright © 2012 Lutron Elec Licenses and	tronics Co., Inc. All rights reserved. I Software Notices		Clear Connect Enabled

FIG. 7 NXB-CCG WebConsole - Add Devices page

NOTE: Alternatively, the NetLinx Studio software application (available online at www.amx.com) can be used to access the WebConsole as described above. Refer to the online help for details on using NetLinx Studio.

Configuring the NXB-CCG to Use a Static IP Address

By default, the NXB-CCG uses DHCP for network addressing. However, the option to manually assign a static IP address is available via the **Configure** page - *Settings* tab (FIG. 8):

	as admin	×2.12
Configure Add Devices Progra	m.	
Settings Web Logins Integra	ation Logins Firmware Update Support File	
DHCP	Enabled Disabled	
CCT IP Address Subnet Mask	192 . 168 . 1 . 70	
Gateway		
DNS Server 1 DNS Server 2		
Host Name	NXB-CCG-124000001 .local	
Security	Enabled Disabled	Reset Update
Telnet	Enabled Disabled	
Telnet Port	23	
HTTPS Only	Enabled Disabled	
Language	English Français Español Deutsche	
LUTRON	Copyright © 2012-2013 Lutron Electronics Co., Inc. All rights reserved. Licenses and Software Notices	Clear Connect Enabled

FIG. 8 Configure - Settings tab

Refer to the NXB-CCG Operation/Reference Guide for details on using the Gateway's WebConsole to configure the device.

Adding Devices

Each lighting device (keypads, sensor and switches and dimmers) in your RPM project must be added to the device list on the NXB-CCG, via the NXB-CCG's WebConsole (*Settings* page). The devices settings made in the NXB-CCG's WebConsole must match the device settings indicated in the RPM project report.

NOTE: Before adding devices, generate the RPM project report (in RPM, click View Report) and keep it handy for reference.

Supported RPM Clear Connect Lighting Controls

The NXB-CCG supports a specific set of RPM lighting controls:

Supported Clear Co	nnect Lighting Controls
Keypad:	CCD-W6BRL-WH, Clear Connect Wall Keypad - 6 button with Raise/Lower (FG2606-61-WH) Note: See Adding a Clear Connect Wall Keypad on page 8.
Occupancy Sensor:	CCD-OCRB-P-WH, Clear Connect Radio Powr Savr™ Ceiling Mount Occupancy/Vacancy Sensor (FG2606-41-WH) Note : See Adding a Clear Connect Occupancy Sensor on page 10.
Dimmers:	 CCD-F6AN-DV-WH, Clear Connect 6A Fluorescent Dimmer (FG2606-12-WH) CCD-RD-WH, Clear Connect 120V Accessory Dimmer (FG2606-31-WH) CCD-6NA-WH Clear Connect Phase Adaptive Dimmer (FG2606-13-WH) CCD-6D-WH, Clear Connect 600W Incandescent/MLV Dimmer (FG2606-11-WH) <i>Note: See Adding a Dimmer</i> on page 11.
Switches:	 CCD-RS-WH, Clear Connect 120V Accessory Switch (FG2606-32-WH) CCD-RS-277-WH, Clear Connect 277V Accessory Switch (FG2606-33-WH) CCD-15APS-1-WH, Clear Connect Switching Plug in Device - 15 A Softswitch (FG2606-51-WH) CCD-8S-WH, Clear Connect 120/277V Switch (FG2606-21-WH) Note: See Adding a Switch on page 13.

Adding a Clear Connect Wall Keypad

RPM supports the CCD-W6BRL Clear Connect Wall Keypad. This keypad features six pushbuttons with status LEDs, and two ramping (Raise/Lower) buttons (FIG. 9):





1. In the NXB-CCG's WebConsole Add Devices page, click Add/Remove Devices to enter "add/remove devices mode" (FIG. 10):

logged in as admin				v.1.0.17
Configure Add Devices Program Add Add/Remove Devices	ninistration			
Name		Туре	ID	Action
CCT Processor		Gateway	1	

FIG. 10 NXB-CCG WebConsole - Add Devices page (Add/Remove Devices button)

• The program will indicate that it is entering "add/remove devices mode" (FIG. 11):

Entering ad	d/remove devices mode
THAN	

- FIG. 11 NXB-CCG WebConsole Entering add/remove devices mode
 - In this mode, the NXB-CCG will wait for a device to be identified.
 - When "add/remove devices mode" is active, the WebConsole will prompt you to press and hold a button on the keypad (FIG. 12):

Done Press and hold a button on the device you want to add to the system.

FIG. 12 NXB-CCG WebConsole - Add/remove devices mode active

NOTE: The keypad that you wish to activate should have all LEDs blinking slowly (two seconds on, one seconds off). If the LEDs are not blinking, triple-tap-hold-triple tap any button to restore it to factory defaults, and then wait a minute until it indicates activation mode feedback (slow blink)

2. To add the keypad, press and hold any one of the buttons for approximately 4 seconds, until the *Device Heard* popup appears in the WebConsole (FIG. 13) indicating the type of device that reported itself (in this case a keypad):

Туре	Wall Keypad
Name	

FIG. 13 NXB-CCG WebConsole - Device Heard popup (Wall Keypad)

- 3. Enter a unique name for the keypad and click the **Add** button. This closes the *Device Heard* popup and returns to the *Add Devices* page, still in "add/remove devices mode".
- 4. Click Done to exit "add/remove devices mode" (FIG. 14):

Done

Press and hold a button on the device you want to add to the system.

FIG. 14 NXB-CCG WebConsole - Exiting "add/remove devices mode"

5. Note that the keypad is now indicated in the *Devices* list. In the example shown in FIG. 15, the keypad added was named "*Keypad*":

Configure Add Devices Program Administration				
Add/Remove Devices				
Name	Туре	ID	Action	
CCT Processor	Gateway	1		
Keypad	Wall Keypad	2	Remove	

FIG. 15 NXB-CCG WebConsole - "Keypad" added

6. Change the **ID** for this keypad to match the *Integration ID* indicated in the RPM Project report.

FIG. 16 provides an example RPM Report entry for the CCD-W6BRL Keypad, indicating that the keypad's Integration ID is "10":

CCD-W6BRL Set ID via Clear Connect Web Interface

FIG. 16 RPM Project Report - CCD-W6BRL Keypad

In this case, the ID in the WebConsole must be changed from the default value of 2 to match the Integration ID value (10): a. Click in the ID cell of the keypad to open an edit window (FIG. 17):

logged in as admin		
Configure Add Devices Program Administration Add/Remove Devices <	The Keypad's ID value must match the Integration ID provided in the RPM Project Report)
Name	Туре	ID Action
CCT Processor	Gateway	1
Keypad	Wall Keypad	(10)
		Save Cancel

FIG. 17 NXB-CCG WebConsole - Device ID popup (Keypad)

- b. Enter the Integration ID that is indicated for the keypad in the RPM Project report.
- c. Press Save to assign the new ID.

Adding a Clear Connect Occupancy Sensor

RPM supports the CCD-OCRB-P (-WH) Ceiling Mount Occupancy Sensor (FIG. 18):



FIG. 18 CCD-OCRB-P (-WH) Ceiling Mount Occupancy Sensor

1. In the NXB-CCG's WebConsole Add Devices page, click Add/Remove Devices to enter "add/remove devices mode" (FIG. 19):

AMX	logged in as	admin	
Configure Add Devices	Program	Administration	
Add/Remove Devices	-		

FIG. 19 NXB-CCG WebConsole - Add Devices page (Add/Remove Devices button)

• The program will indicate that it is entering "add/remove devices mode" (FIG. 20):

Entering add/remove devices mode.	
CHARMAN MANAGANA	

FIG. 20 NXB-CCG WebConsole - Entering add/remove devices mode

- In this mode, the NXB-CCG will wait for a device to be identified.
- When "add/remove devices mode" is active, the WebConsole will prompt you to press and hold a button on the sensor (FIG. 21):

Done Press and hold a button on the device you want to add to the system.

FIG. 21 NXB-CCG WebConsole - Add/remove devices mode active

To add the sensor, press and hold the *Lights Off* button (see FIG. 18) for approximately 4 seconds, until the *Device Heard* popup appears in the WebConsole (FIG. 13) indicating the type of device that reported itself (in this case, an Occupancy Sensor):

Device Type	Occupancy Sensor
Name	

FIG. 22 NXB-CCG WebConsole - Device Heard popup (Occupancy Sensor)

- 3. Enter a unique name for the sensor and click the **Add** button. This closes the *Device Heard* popup and returns to the *Add Devices* page, still in "add/remove devices mode".
- 4. Click **Done** to exit "add/remove devices mode" (FIG. 14):

Done Press and hold a button on the device you want to add to the system.

FIG. 23 NXB-CCG WebConsole - Exiting "add/remove devices mode"

5. Note that the Occupancy Sensor is now indicated in the *Devices* list. In the example shown in FIG. 24, the sensor added was named "*Sensor*":

Configure Add Devices Program Administration			
Add/Remove Devices		1.000	
Add/Remove Devices	Туре	ID	Action
Add/Remove Devices Name CCT Processor	Type Gateway	ID 1	Action
Add/Remove Devices Name CCT Processor Keypad	Type Gateway Wall Keypad	ID 1 10	Action

Show occupancy groups - Manage

FIG. 24 NXB-CCG WebConsole - "Sensor" added

6. Change the ID for this sensor to match the Integration ID indicated in the RPM Project report.

FIG. 25 provides an example RPM Report entry for the CCD-OCRB-P Occupancy Sensor, indicating that the sensor's Integration ID is "12":

CCD OCRB P	Integration ID: 12
000-0010-1	Set ID via Clear Connect Web Interface

FIG. 25 RPM Project Report - CCD-OCRB-P Occupancy Sensor,

In this case, the ID in the WebConsole must be changed from the default value of 11 to match the Integration ID value (12): a. Click in the ID cell of the keypad to open an edit window (FIG. 17):

logged in as admin	
Configure Add Devices Program Administration	
Add/Remove Devices	The Sensor's ID value must match the Integration ID value provided in the RPM Project Report D Acti
CCT Processor	Gateway 1
Keypad	Wall Keypad 10 Ren
Sensor	Occupancy Sensor

Show occupancy groups - Manage

FIG. 26 NXB-CCG WebConsole - Device ID popup (Sensor)

- b. Enter the Integration ID that is indicated for the keypad in the RPM Project report.
- c. Press Save to assign the new ID.

Adding a Dimmer

RPM supports the CCD-6NA dimmer (FIG. 27):



FIG. 27 CCD-6NA dimmer

1. In the NXB-CCG's WebConsole Add Devices page, click Add/Remove Devices to enter "add/remove devices mode" (FIG. 28):

Dividiada

FIG. 28 NXB-CCG WebConsole - Add Devices page (Add/Remove Devices button)

• The program will indicate that it is entering "add/remove devices mode" (FIG. 29):

Entering add/r	emove d	evices	mode
CHIMAN A	0.00		000

FIG. 29 NXB-CCG WebConsole - Entering add/remove devices mode

- In this mode, the NXB-CCG will wait for a device to be identified.
- When "add/remove devices mode" is active, the WebConsole will prompt you to press and hold a button on the sensor (FIG. 30):

Done Press and hold a button on the device you want to add to the system.

FIG. 30 NXB-CCG WebConsole - Add/remove devices mode active

2. To add the dimmer, press and hold the main paddle button (see FIG. 27) for approximately 4 seconds, until the *Device Heard* popup appears in the WebConsole (FIG. 31) indicating the type of device that reported itself (in this case, a Wall Dimmer):

Device Heard	
Device Type	Wall Dimmer
Name	1
	Add Cancel

FIG. 31 NXB-CCG WebConsole - Device Heard popup (Wall Dimmer)

- 3. Enter a unique name for the dimmer and click the **Add** button. This closes the *Device Heard* popup and returns to the *Add Devices* page, still in "add/remove devices mode".
- 4. Click Done to exit "add/remove devices mode" (FIG. 32):

FIG. 32 NXB-CCG WebConsole - Exiting "add/remove devices mode"

5. Note that the dimmer is now indicated in the *Devices* list. In the example shown in FIG. 33, the dimmer added was named "*Dimmer*":

logged in as admin			v.1.0.1
Configure Add Devices Program Administration			
Add/Remove Devices			
Name	Туре	ID	Action
CCT Processor	Gateway	1	
Keypad	Wall Keypad	10	Remove
Sensor	Occupancy Sensor	12	Remove
Dimmer	Wall Dimmer	14	Remove

FIG. 33 NXB-CCG WebConsole - "Dimmer" added

NOTE: Unlike Keypads and Occupancy Sensors, Dimmers and Switches do not utilize the Device Integration ID value.

Adding a Switch

RPM supports the CCD-RS switch (FIG. 34):



FIG. 34 CCD-RS switch

1. In the NXB-CCG's WebConsole Add Devices page, click Add/Remove Devices to enter "add/remove devices mode" (FIG. 35):

A		gged in as logour	admin	v.18/17
Configure	Add Devices	Program	Administration	
Add/Remo	ve Devices	-		

FIG. 35 NXB-CCG WebConsole - Add Devices page (Add/Remove Devices button)

• The program will indicate that it is entering "add/remove devices mode" (FIG. 36):

Entering add/	remove	devices mode
THE	mm	

FIG. 36 NXB-CCG WebConsole - Entering add/remove devices mode

- In this mode, the NXB-CCG will wait for a device to be identified.
- When "add/remove devices mode" is active, the WebConsole will prompt you to press and hold a button on the sensor (FIG. 37):

Done	1	Press	and hold	a button o	n the device	you want t	to add to	o the system
------	---	-------	----------	------------	--------------	------------	-----------	--------------

FIG. 37 NXB-CCG WebConsole - Add/remove devices mode active

2. To add the switch, press and hold the main paddle button (see FIG. 34 on page 13) for approximately 4 seconds, until the *Device Heard* popup appears in the WebConsole (FIG. 38) indicating the type of device that reported itself (in this case, a 2-Wire Wall Switch):

all Switch	vice Type
	ne
all Switc	vice Type ne

FIG. 38 NXB-CCG WebConsole - Device Heard popup (2-Wire Wall Switch)

3. Enter a unique name for the switch and click the **Add** button. This closes the *Device Heard* popup and returns to the *Add Devices* page, still in "add/remove devices mode".

4. Click Done to exit "add/remove devices mode" (FIG. 39):

Done Press and hold a button on the device you want to add to the system.

FIG. 39 NXB-CCG WebConsole - Exiting "add/remove devices mode"

5. Note that the switch is now indicated in the *Devices* list. In the example shown in FIG. 40, the switch added was named "*Switch*":

logged in as admin			v.1
Configure Add Devices Program Administration			
Add/Remove Devices			
Name	Туре	ID	Action
CCT Processor	Gateway	1	
Keypad	Wall Keypad	10	Remove
Sensor	Occupancy Sensor	12	Remove
Dimmer	Wall Dimmer	14	Remove

FIG. 40 NXB-CCG WebConsole - "Switch" added

NOTE: Unlike Keypads and Occupancy Sensors, Dimmers and Switches do not utilize the Device Integration ID value.

Programming the NXB-CCG (for Clear Connect Dimmers and Switches)

Overview

RPM Projects that include a NXB-CCG (Clear Connect Gateway) use six Lighting Scenes. In RPM, the pre-configured Lighting Scenes are indicated in the **Devices > Lighting** Configuration page (FIG. 41):

ignung - Dev	nce Detalls				
Information	Configuratio	n			
Scene Names					
Scene 1:	20%	Scene 2:	40%	Scene 3:	60%
Scene 4:	80%	Scene 5:	All On	Scene 6:	All Off

FIG. 41 RPM - Devices > Lighting Configuration page

Note that Lighting Scenes are essentially dim level settings: 0%-All Off, 20%, 40%, 60%, 80% and 100% (All On). These Lighting Scenes must be programmed on the NXB-CCG. This configuration determines how the six Lighting buttons on the RPM-generated touch panel will function.

FIG. 42 provides an example of an RPM-generated Touch Panel showing the six Lighting Control buttons:



FIG. 42 RPM-generated Touch Panel (Lighting Control buttons)

These six RPM Lighting Scenes are also indicated in the RPM Project Report (FIG. 43):



FIG. 43 RPM Project Report - NXB-CCG device page (indicating six "Lighting Scenes")

The following table lists the six RPM Lighting Scenes, provides their default dim level values, and indicates the one-to-one correlation between Lighting Scenes 1-6 in RMP and Buttons 1-6 in the NXB-CCG WebConsole:

Li (i	ighting Scenes 1-6 n RPM)	Default dim level value (in RPM)	Associated CCT Processor Button (in NXB-CCG WebConsole)
•	Lighting Scene 1	20%	Button 1
•	Lighting Scene 2	40%	Button 2
•	Lighting Scene 3	60%	Button 3
•	Lighting Scene 4	80%	Button 4
•	Lighting Scene 5	All On (100%)	Button 5
•	Lighting Scene 6	All Off (0%)	Button 6

Fundamentally, the *RPM Lighting Scenes* equate to *Buttons 1-6* (under CCT Processor) in the NXB-CCG's WebConsole. As an example, since *RPM Lighting Scene 1* has a default dim level value of 20%, it is necessary to program Button 1 in the NXB-CCG WebConsole to also have a dim level value of 20%.

To program Buttons 1 - 6 on the NXB-CCG:

- 1. In the WebConsole, open the **Program** page.
- 2. Click to expand the CCT Processor entry in the Devices window.
 - The "CCT Processor" indicated here represents the NXB-CCG.
 - Under OCC Processor, note the listing of buttons 1-10 (FIG. 44):

logged in as	admin	v.10.17
Configure Add Devices Program	Administration http://CCT XEB-CCG) // Lighting 1-6	
LUTRON	Copyright © 2012 Lutron Electronics Co., Inc. All rights reserved. Licenses and Software Notices	Clear Connect. Enabled

FIG. 44 NXB-CCG WebConsole - Program page (CCT Processor expanded)

- Buttons 1 6 equate to the six Lighting Scenes defined in the RPM project. They must be configured to match the 6 dim values associated with Lighting Scenes 1-6 in RPM, since by default they are all set to 100% (all on). This configuration is done in the Button Details pages, as described below:
- Buttons 7 10 are not applicable in this case.

You can add a Dimmer function and/or a Switch function to Buttons 1-6 under CCT Processor.

- Dimmer Functions specify a dim level (as well as fade time) to each button. These six dim levels equate to the six Lighting Scenes provided by RPM. When you add a Dimmer to a button, it associates the button with the specified dim level (and fade time).
- Switch Functions specify On or Off.

NOTE: You can add both a Dimmer and a Switch to a button. In this case, both functions will be activated when that button is pressed on the touch panel. For example, Button 1 can be configured to place the dimmer at 20% as well as turn the switch to Off.

Configuring Buttons 1-6: Adding Dimmer Functions

To configure the Lighting Control Buttons 1-6 on the touch panel (see FIG. 42 on page 15) to match RPM Lighting Scenes 1-6:

1. In the *Program* page, click on **Button 1** (under *CCT Processor* in the *Devices* window) to open the *Button 1 Details* page (FIG. 45).

Configure Add Devices	GOUT Program Administration	v.1.0.17
Devices	Button 1 Details No devices added Add Device	
LUTRON	Copyright © 2012 Lutron Electronics Co., Inc. All rights reserved.	Clear Connect. Enabled

FIG. 45 NXB-CCG WebConsole - CCT Processor: Button 1 Details page

2. In the Button 1 Details page, click Add Device to open the Add Devices To Button popup (FIG. 46):

Add Devices to Buttor	x
Dimmer	Switch
	Add Cancel

FIG. 46 Add Devices To Button popup

- 3. Select Dimmer to add a dim level setting to Button 1.
- 4. Click Add to add the Dimmer to Button 1. This action closes the popup and adds the Dimmer Programming table to the *Button* 1 *Details* page (FIG. 47):

Dimmer Programming

Device Name	Level	Fade	
Dimmer	100%	2.00 s	Remove

FIG. 47 Button Details page - Dimmer Programming table

The Dimmer Programming table consists of four columns:

- Device Name: The name of the device (Dimmer). The Device Name is read-only.
- Level: This is the dim level setting for this button. By default, Level is set to 100%.
 Click inside this cell to edit: the dim level value for Button 1 should match the dim level value of Lighting Scene 1 in RPM (which by default is 20%).
- Fade: This is the fade time for this button (in seconds). By default, Fade is set to 2 seconds.
- Remove: Click to remove the Dimmer from this Button.
- Click in the *Level* cell to edit the Level value (FIG. 48). Note that the default (Dimmer) *Level* setting for all buttons is 100% (all on). For Button 1, change the value to "20%", to match Lighting Scene 1, which is 20%.
- Optionally, click in the Fade cell to edit the Fade value (in seconds). Note that the default Fade setting for all buttons is 2.00 s (2 seconds).

D	Dimmer Programming					
	Device Name	Level	Fade			
	Dimmer	20%		.emove		
		Save	Cano	el :		

FIG. 48 Dimmer Programming table - Editing the Level value

- 7. Click Save to save changes.
- 8. Repeat steps 1-6 for Buttons 2, 3, 4, 5 and 6 (i.e. select and configure "Button 2" under CCT Processor, then repeat for Buttons 3-6):
 - Button 2's Level value should be set to 40%
 - Button 3's Level value should be set to 60%
 - Button 4's Level value should be set to 80%
 - Button 5's Level value should be set to 100% (all on)
 - Button 6's Level value should be set to 0% (all off)

Once a Dimmer has been configured for Buttons 1 - 6, the dim (and fade) value specified for each Button will be activated via the RPM touch panel.

Configuring Buttons 1-6: Adding Switch Functions

Unlike Dimmers, Switches only use two levels: *On* and *Off*. Use the **Add Device** function in the Button Details pages to add a Switch to Buttons 1-6 if necessary. Once a Switch has been added to a Button, activating the Lighting Scene associated with each button will turn the switch On or Off:

- 1. In the *Program* page, click on **Button 1** (under *CCT Processor* in the *Devices* window) to open the *Button 1 Details* page (see FIG. 45 on page 17).
- 2. In the Button 1 Details page, click Add Device to open the Add Devices To Button popup (FIG. 49):

Add Devices to Butto	1	×
Dimmer	Switch	
	Add	Cancel

FIG. 49 Add Devices To Button popup

- 3. Select *Switch* to associate a switch level (On or Off) to Button 1. This setting will cause a press of button 1 on the touch panel to turn the switch either On or Off.
- 4. Click **Add** to add the Switch to Button 1. This action closes the popup and adds the **Switch Programming** table to the *Button Details* page (FIG. 50):

Switch Programming

Device Name	Level	
Switch	On	Remove

FIG. 50 Button Details page - Switch Programming table

The Switch Programming table consists of three columns:

- Device Name: The name of the device (Switch). The Device Name is read-only.
- Level: This is the switch level setting for this button. By default, Level is set to On. Click inside this cell to edit the switch level value (On or Off) for Button 1.
- Remove: Click to remove the Switch from this Button.
- 5. Click in the Level cell to edit the Level value (FIG. 51):

Switch Programming

Device Name	Level
Switch	On 💌
	Save Cancel

FIG. 51 Switch Programming table - Editing the Level value

Note that the default (Switch) Level setting for all buttons is On. Select either On or Off.

 Repeat steps 1-5 for Buttons 2, 3, 4, 5 and 6 (select and configure "Button 2" under CCT Processor, then repeat for Buttons 3-6.

Once a Switch setting has been configured for Buttons 1 - 6, the On or Off value specified for each Button can be activated either via the RPM touch panel or by the Switch.

Programming the CCD-W6BRL Clear Connect Keypad

Overview

If the RPM Project includes a CCD-W6BRL Clear Connect Keypad, then the keypad buttons must each be programmed to activate RPM-generated Lighting Scenes (1-6). Keypads also include a *Raise* button and a *Lower* button for ramping functions (see FIG. 9 on page 8).

Keypad buttons are configured via the NXB-CCG WebConsole. Keypad buttons are represented in the *Program* page, under **Keypad** in the *Devices* window (FIG. 52):

Logged in as	dmin	v.1.0.17
Configure Add Devices Program	Administration	
Devices CCT Processor - Keypad - Button 1 - Button 2 - Button 3 - Button 4 - Button 5 - Button 6 - Lower Button Raise Button * Occupancy (Sensor)	t buttons under I represent the the CCD-W6BRL onnect Keypad	
LUTRON	Copyright © 2012 Lutron Electronics Co., Inc. A Licenses and Software Notice	All rights reserved.

FIG. 52 NXB-CCG WebConsole (Program page) - Keypad buttons

Fundamentally, the *Lighting Scenes 1-6* that are included with the RPM project equate to *Buttons 1-6* under *Keypad* in the NXB-CCG's WebConsole.

You can add a Dimmer function and/or a Switch function to Button 1, 2, 3, 4, 5 and 6 under Keypad.

- Dimmer Functions specify a dim level (as well as fade time) to each button. These six dim levels equate to the six Lighting Scenes provided by RPM. When you add a Dimmer to a Keypad button, it associates the button with the specified dim level (and fade time).
- Switch Functions specify On or Off

To configure Buttons 1-6 on the CCD-W6BRL Keypad (see FIG. 9 on page 8) to match RPM Lighting Scenes 1-6:

1. In the Program page, click on Button 1 (under Keypad in the Devices window) to open the Button 1 Details page (FIG. 53).

AMX logg	ed in as admin	v 1 0 17
Configure Add Devices F	Program Administration	
Devices	Button 1 Details No devices added Add Device Button press will send press/release events for integration	
参LUTRON	Copyright © 2012 Lutron Electronics Co., Inc. All rights reserved.	Clear Connect. Enabled

FIG. 53 NXB-CCG WebConsole - Keypad: Button 1 Details page

2. In the Button 1 Details page, click Add Device to open the Add Devices To Button popup (FIG. 54):



FIG. 54 Add Devices To Button popup

- 3. Select *Dimmer* to add a dim level setting to Button 1.
- 4. Click **Add** to add the Dimmer to Button 1. This action closes the popup and adds the **Dimmer Programming** table to the *Button* 1 *Details* page (FIG. 55):

Dimmer	Programming
Dunner	riogramming

Device Name	Level	Fade	
Dimmer	100%	2.00 s	Remove

FIG. 55 Button Details page - Dimmer Programming table

The *Dimmer Programming* table consists of four columns:

- Device Name: The name of the device (Dimmer). The Device Name is read-only.
- Level: This is the dim level setting for this button. By default, Level is set to 100%. Click inside this cell to edit.
- Fade: This is the fade time for this button (in seconds). By default, Fade is set to 2 seconds.
- Remove: Click to remove the Dimmer from this Button.
- 5. Click in the Level cell to edit the Level value (FIG. 56): .

Dimmer Programming

Device Name	Level	Fade	
Dimmer	20%		emove
	Save	Cancel	

FIG. 56 Dimmer Programming table - Editing the Level value

Note that the default (Dimmer) Level setting for all buttons is 100% (all on).

6. Optionally, click in the *Fade* cell to edit the *Fade* value (in seconds). Note that the default Fade setting for all buttons is 2.00 s (2 seconds).

- 7. Click Save to save changes.
- 8. Repeat steps 1-6 for Buttons 2, 3, 4, 5 and 6 (i.e. select and configure "Button 2" under *CCT Processor*, then repeat for Buttons 3-6):
- 9. Select the **Button press will send press/release events for integration** option (FIG. 57), only if you intend to assign an RPM Macro to this button: :

Add Device	Test Programming	
Button press	will send press/releas	e events for integratio

- FIG. 57 Dimmer Programming select
 - By default, this option is de-selected.
 - Note that if you associate an RPM Macro with this button, then pressing this button will activate the Lighting Scene, as well
 as trigger the Macro. See the Assigning Lighting Scenes to Macros section on page 24 for details on working with Macros in
 RPM.

Once a Dimmer has been configured for Buttons 1 - 6, the dim (and fade) value specified for each Button will be activated via the Keypad.

- 10. Add Switches to Buttons 1-6 as necessary. See *Configuring Buttons 1-6: Adding Switch Functions* section on page 18 for details.
- 11. Click on Lower Button (under Keypad in the Devices window) to open the Lower Button Details page.

n

12. Click Add Device to open the Add Devices To a Button popup. Note that for Lower Button and Raise Button, the only option is Dimmer (FIG. 58): .

Add Devices to Button	×
Dimmer	

FIG. 58 Add Devices To a Button popup (for Lower Button and Raise Buttons)

13. Click **Add** to add the Dimmer to the Lower Button. This action closes the popup and adds the **Device Programming** table to the *Lower Button Details* page (FIG. 59):

Device Programming

Device Name	Action	
Dimmer	Lower	Remove

FIG. 59 Lower Button Details page - Device Programming table

The Device Programming table consists of three columns:

- Device Name: The name of the device (Dimmer). The Device Name is read-only.
- Action: This is the ramp action (*Lower*) for the Lower Button (read-only).
- Remove: Click to remove the Action from the Lower Button.
- 14. Click on Raise Button (under Keypad in the Devices window) to open the Raise Button Details page.
- 15. Click **Add Device** to open the *Add Devices To a Button* popup. Note that for *Lower Button* and *Raise Button*, the only option is *Dimmer.*
- 16. Click **Add** to add the Dimmer to the Raise Button. This action closes the popup and adds the **Device Programming** table to the *Raise Button Details* page (FIG. 59):

Device Programming

Device	Name	Action	
Dimme	r	Raise	Remove

FIG. 60 Raise Button Details page - Device Programming table

The Device Programming table consists of three columns:

- Device Name: The name of the device (Dimmer). The Device Name is read-only.
- Action: This is the ramp action (*Raise*) for the Raise Button (read-only).
- Remove: Click to remove the Action from the Raise Button.

Programming the CCD-OCRB-P (-WH) Clear Connect Occupancy Sensor

Overview

CCD-OCRB-P (-WH) Clear Connect Occupancy Sensors report two states: Occupied (if it detects people in the room) and Unoccupied (if it detects that the room is empty). If the RPM Project includes an Occupancy Sensor, then the Occupied and Unoccupied actions can be programmed to activate specific RPM-generated Lighting Scenes.

Occupancy Sensor Actions are configured via the NXB-CCG WebConsole. Occupancy Sensor Actions are represented in the *Program* page, under **Occupancy (Sensor)** in the *Devices* window (FIG. 61):

logged in as admin	
Configure Add Devices Program Administration	
Devices	
CCT Processor Keypad Occupancy (Sensor)	
- Occupied Action	

FIG. 61 NXB-CCG WebConsole (Program page) - Occupancy (Sensor) Actions

Configuring Sensor Actions: Adding Dimmer Functions

1. In the *Program* page, click on **Occupied Action** (under *Occupancy (Sensor)* in the *Devices* window) to open the *Occupied Action Details* page (FIG. 62):

	ed in as admin Tour	
Configure Add Devices F	Program Administration	
Devices CCT Processor Keypad Occupancy (Sensor) Occupied Action	Occupied Action Details No devices added Add Device	

- FIG. 62 NXB-CCG WebConsole Occupancy (Sensor): Occupied Action Details page
- 2. In the Occupied Action Details page, click Add Device to open the Add Devices To Button popup (FIG. 63):

Add Devices to Buttor	×
Dimmer	Switch
	Add Cancel

FIG. 63 Add Devices To Button popup

- 3. Select *Dimmer* to add a dim level setting to the Occupied Action.
- 4. Click **Add** to add the Dimmer to Button 1. This action closes the popup and adds the **Dimmer Programming** table to the *Occupied Action Details* page (FIG. 64):

Dimmer Programming

Device Name	Level	Fade	
Dimmer	100%	2.00 s	Remove

FIG. 64 Occupied Action Details - Dimmer Programming table

The Dimmer Programming table consists of four columns:

- Device Name: The name of the device (Dimmer). The Device Name is read-only.
- Level: This is the dim level setting for this action. By default, Level is set to 100%. Click inside this cell to edit.
- Fade: This is the fade time for this action (in seconds). By default, Fade is set to 2 seconds.
- Remove: Click to remove the Dimmer from this action.
- 5. Click in the Level cell to edit the Level value (FIG. 65).

nmer Program	ming		
Device Name	Level	Fade	
Dimmer	20%		emove
	Save	Cancel	

FIG. 65 Dimmer Programming table - Editing the Level value

- 6. Click Save to save changes.
- 7. Repeat steps 1-6 for Unoccupied Action.

Configuring Sensor Actions: Adding Switch Functions

Unlike Dimmers, Switches only use two levels: *On* and *Off*. Use the **Add Device** function in the Button Details pages to add a Switch to Sensor Actions if necessary. Once a Switch has been added to an action, activating the Lighting Scene associated with the action will turn the switch On or Off:

- 1. In the *Program* page, click on **Occupied Action** (under *Occupancy (Sensor)* in the *Devices* window) to open the *Occupied Action Details* page (see FIG. 62 on page 22).
- 2. In the Occupied Action Details page, click Add Device to open the Add Devices To Button popup (FIG. 66):

Add Devices to Button	1	×
Dimmer	Switch	
	Add Car	ncel



- 3. Select *Switch* to associate a switch level (On or Off) to *Occupied Action*. This setting will turn the switch either On or Off, when the Sensor detects that the room is occupied.
- 4. Click **Add** to add the Switch to *Occupied Action*. This closes the popup and adds the **Switch Programming** table to the *Occupied Action Details* page (FIG. 67):

Switch Programming

Device Name	Level	
Switch	On	Remove

FIG. 67 Occupied Action Details page - Switch Programming table

The Switch Programming table consists of three columns:

- Device Name: The name of the device (Switch). The Device Name is read-only.
- Level: This is the switch level setting for this button. By default, Level is set to On. Click inside this cell to edit the switch level value (On or Off) for *Occupied Action*.
- Remove: Click to remove the Switch from this action.
- 5. Click in the Level cell to edit the Level value (FIG. 68):

Switch Programming

Device Name	Level	
Switch	On 👻	
	Save Cancel	

FIG. 68 Switch Programming table - Editing the Level value

Note that the default (Switch) Level setting for all actions is On. Select either On or Off.

6. Repeat steps 1-5 for Unoccupied Action.

Once a Switch setting has been configured for both actions, the On or Off value specified for each action will be activated by the Sensor.

Assigning Lighting Scenes to Macros

Overview

Each Lighting Scene can be added to a new or existing macro. The following instructions describe creating a new macro and adding a Lighting Scene as a macro item:

1. Click Macros in the menu bar to open the Macros page (FIG. 69):



FIG. 69 Macros page

- 2. Click Add Macro to access the Macro Details page. where you will configure a new macro.
- 3. In the Macro Name text box, enter a descriptive name for a lighting macro (required).
- Since this macro will be associated with one of the Lighting Scenes configured in the *Lighting Device Details* page (see FIG. 70), the macro name should relate to the Lighting Scene to which the macro will be associated. For example, if Scene 1 was named "20% Dim" (as shown in FIG. 70), then a logical Macro Name would be along the lines of "Dim Lights".
- 4. Select a Macro Icon (required). Since this macro is for Lighting, select the Lighting icon from the drop-down list.
- 5. If there is a specific touch panel page on which you want to place the button for this macro, then select the desired page from the **Touch Panel Navigation** drop-down (optional, default = *not used*).
- 6. Under **Select a Device**, select *Lighting* from the drop-down menu.
- 7. Under **Select a Function**, select the function to associate with this macro from the drop-down menu. Note that the items in this menu represent the Scene Names that were configured in the *Lighting Device Details* page (*Configuration* tab).
- 8. Under Add Macro Item, click Add to add the new macro to the Macro Items list (FIG. 70):

acro Nam	e:	Macro Icon:	Touch Panel Navigation:	
Dim Light	ts	* 🖗 Lighting	* Not Used *	
J Select	a Device	2 Select a Function — Select —	Add Macro Item Add	
Macro Item	s: Macro Item),		
Macro Item Sequence 1	s: Macro Item Lighting:209	% Dim		Move Up Move Down

FIG. 70 Macros Details page - Example macro item added (Dim Lights)

- Use the **Move Up** and **Move Down** buttons to arrange macro items into the desired sequence. Note that these buttons are only enabled if there is more than one macro item in the list.
- Use the Delete Item button to delete a selected Macro Item from the list.
- 9. Click **Save** (at the bottom of this page) to save the new macro, close the *Macro Details* page and return to the main *Macros* page. Note that the new macro is now indicated in the *Macros* window (FIG. 71):



FIG. 71 Macros page - Example (Dim Lights) macro item added

- Click on any macro in this window to edit it in the Macro Details page.
- Click Add Macro to repeat the process, to assign a new macro to each of the remaining Lighting Scenes.

Adding Lighting Scenes to an Existing Macro

Lighting scenes can also be added to existing macros, as macro items:

- 1. Click *Macros* in the menu bar to open the **Macros** page.
- 2. Click the Macro to which you want to add a Lighting Scene. This opens the *Macro Details* page for the selected macro. For example, FIG. 72 shows the *Macro Details* page for a macro called *View Blu-ray /DVD*:

	Details Inform	nation		
Macro Nam * View Blu	e: -ray/DVD	Macro Icon: * 🏩 Blu-ray/DVD	Touch Panel Navigation	
J Select	a Device	Select a Funct Select	ion 3 Add Macro Item	
Macro Item	5:			
Macro Item	s: Macro Item			
Macro Item Sequence	s: Macro Item Blu-ray/DVD:	Power On		Move Up
Macro Item Sequence 1 2	s: Macro Item Blu-ray/DVD: TV/LCD/Plasn	Power On na:Power On		Move Up
Macro Item Sequence 1 2 3	S: Blu-ray/DVD: TV/LCD/Plasm A/V Switcher	Power On na:Power On :Switch Video-Blu-ray/I	DVD to TV/LCD/Plasma	Move Up Move Down
Macro Item Sequence 1 2 3 4	S: Blu-ray/DVD: TV/LCD/Plasm A/V Switcher TV/LCD/Plasm	Power On na:Power On :Switch Video-Blu-ray/I na:Input-HDMI 1	DVD to TV/LCD/Plasma	Move Up Move Down Delete Item

FIG. 72 Macros page - Example macro (View Blu-ray/DVD) selected to edit

The options in the Macro Details page allow you to edit all aspects of the selected macro, but in this case we will simply edit the *Macro Items* list to add a Lighting Scene:

- 3. Under **Select a Device**, select *Lighting* from the drop-down menu.
- 4. Under Select a Function, select the function to associate with this macro from the drop-down menu. Note that the items in this menu represent the Scene Names that were configured in the *Lighting Device Details* page (*Configuration* tab). The example below shows that the Lighting function "20% Dim" was selected (FIG. 73):



FIG. 73 Macro Details page - Example selections for adding a function to the selected macro

5. Under Add Macro Item, click Add to add the selected Function (Lighting Scene) to the Macro Items list (FIG. 70):

Sequence	Macro Item	
2	TV/LCD/Plasma:Power On	Move Up
3	A/V Switcher:Switch Video-Blu-ray/DVD to TV/LCD/Plasma	Move Down
4	TV/LCD/Plasma:Input-HDMI 1	Delete Item
5	A/V Switcher:Switch Audio-Blu-ray/DVD to Line Level	Delete Item
6	Lighting:20% Dim	w.

FIG. 74 Macros Details page - Example function (Lighting:20% Dim) added to the selected macro

6. Note the function is added to the bottom of the *Macro Items* list. Use the **Move Up** and **Move Down** buttons to move the function up or down in the macro items list, to specify the sequence of events for this macro. For example, FIG. 75 shows that the new function (Lighting:20% Dim) has been moved to the first position and therefore will occur first when this macro is triggered:

Macro Items:

Sequence	Macro Item	-
1	Lighting:20% Dim	A
2	Blu-ray/DVD:Power On	
3	TV/LCD/Plasma:Power On	
4	A/V Switcher:Switch Video-Blu-ray/DVD to TV/LCD/Plasma	1.77
5	TV/LCD/Plasma:Input-HDMI 1	

FIG. 75 Macros Details page - Lighting:20% Dim) macro item moved to top of the macro sequence

7. Click **Save** to save your changes, close the *Macro Details* page and return to the main *Macros* page.



© 2015 Harman. All rights reserved. AMX, AV FOR AN IT WORLD, and HARMAN, and their respective logos are registered trademarks of HARMAN. Oracle, Java and any other company or brand name referenced may be trademarks/registered trademarks of their respective companies. AMX does not assume responsibility for errors or omissions. AMX also reserves the right to alter specifications without prior notice at any time. The AMX Warranty and Return Policy and related documents can be viewed/downloaded at www.amx.com.

Last Revised: 12/07/2015

3000 RESEARCH DRIVE, RICHARDSON, TX 75082 AMX.com | 800.222.0193 | 469.624.8000 | +1.469.624.7400 | fax 469.624.7153 AMX (UK) LTD, AMX by HARMAN - Unit C, Auster Road, Clifton Moor, York, Y030 4GD United Kingdom • +44 1904-343-100 • www.amx.com/eu/