

A Firmware update will erase the Preset Library, including user presets and the user Group Parameter settings. After having rebooted the updated amplified controller, the Preset Library must be reloaded in each one (see preset library update procedure).



Do not update more than 10 amplified controllers (10 LA4 or 10 LA8) at the same time.



When the controller is switched on for the first time after the update, it takes 4 minutes for the new Firmware to be installed. During this procedure the LCD screen remains empty.

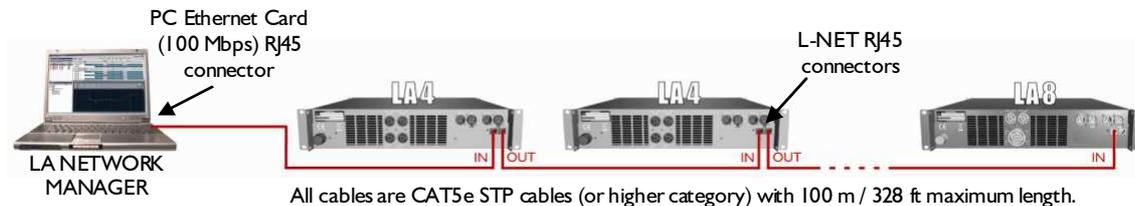


If necessary, use LA Network Manager software for saving specific user presets on preset file or the complete system on system file (please see LA Network Manager manual).



This procedure requires the using of a PC with LA Network Manager software installed onto (please see LA Network Manager manual)

## 1 Connecting the PC to amplified controllers



**Figure 1: Daisy Chain Network topology**

Others network topologies can be used as Star or Hybrid configuration (please see LA Network Manager software manual).

## 2 PC IP Address setup

Set the PC TCP/IP Address by following the procedure below:

- ↳ In the computer "Start" menu, select "Settings – Network Connections – Local Area Connection".
- ↳ Right click on "Local Area Connection" item and select the "Properties" function in the menu.



- ✎ In the "Local Area Connection Properties" window, double click on the "Internet Protocol (TCP/IP)" item.
- ✎ In the "Internet Protocol properties (TCP/IP)" window, select "Use the following IP address" and type in the IP address = 192.168.1.254 (recommended) and the Subnet mask = 255.255.255.0.
- ✎ Click on the OK tab and close all remaining windows.

### 3 Amplified controller IP Address setup

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Each controller has to be identified within the Network by its IP Address typically of the format 192.168.1.XXX. To modify the value of the last 3 digits of the IP Address on the selected amplified controller (the other digits are fixed and cannot be changed) follow the procedure below:

- ✎ On the amplified controller front panel, press the Encoder Wheel.
- ✎ Select the NETWORK ADDRESS menu page by rotating the Encoder Wheel and press the OK tab or the Encoder Wheel.
- ✎ Select the desired value from 1 to 253 (recommended) by rotating the Encoder Wheel.



The selected IP Address must be different from those of the PC and other amplified controllers.

- ✎ Press the OK tab or the Encoder Wheel to validate the setting.
- ✎ Reboot the amplified controller: switch the controller off by pressing the On/Off switch, wait 30 sec for the turn-off sequence to be completed and restart the controller.



The new IP Address won't be effective until the amplified controllers have been rebooted.

### 4 Upload firmware onto amplified controller

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#### 4.1 Launch LA Network Manager software

- ✎ Double click on the LA NETWORK MANAGER shortcut located on the desktop (if created), or select "Programs – LA Network Manager – LA Network Manager" in the computer "Start" menu: a window is displayed and invites the user for selecting between three possible ways for editing a system. Select the "Retrieve System From Network" option.

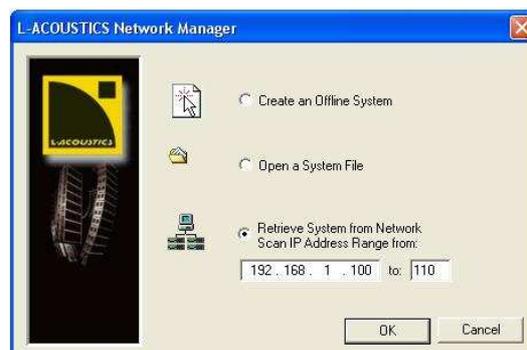


Figure 2: Launch window

- Click on OK for retrieving the amplified controllers from Network.



Figure 3: Scanning network

Units Over Network					
Load		Store		Name	
PRESET			CONFIG		
No.	Addr.	Type	Preset	Family	
1	100	LA4	*03: KIVA	KIVA	
2	101	LA8	46: SB218_X	SB218	
3	102	LA8	46: SB218_X	SB218	
4	103	LA8	46: SB218_X	SB218	
5	104	LA8	46: SB218_X	SB218	
6	105	LA8	46: SB218_X	SB218	
7	106	LA8	46: SB218_X	SB218	

Figure 4: Example with 1 LA4 and 7 LA8 retrieved

#### 4.2 Upload firmware file to LA4 (for example)

- First download the desired Firmware Package from the L-ACOUSTICS website.
- Unzip the downloaded file. This gives a folder containing the firmware.
- Click on the "Options" tab **Command Toolbar**, position the mouse cursor on the **Update** function. In the new displayed sub menu, click on the **Firmware** function.



Figure 5: Firmware function

- Double click on the "FIRMWARE\_LAX\_X.X.X.X" folder and select the "run" file

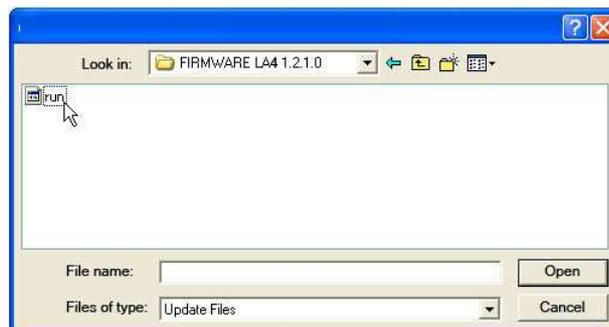
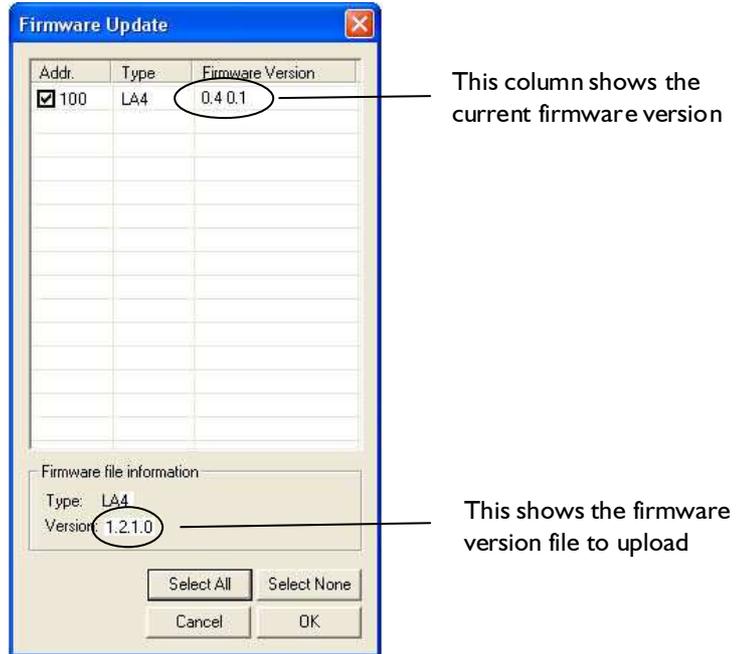


Figure 6: Firmware file

↩ Select the LA8 that need to be updated and click on OK.

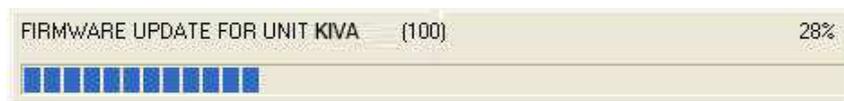


**Figure 7: Selection of amplified controllers to update**

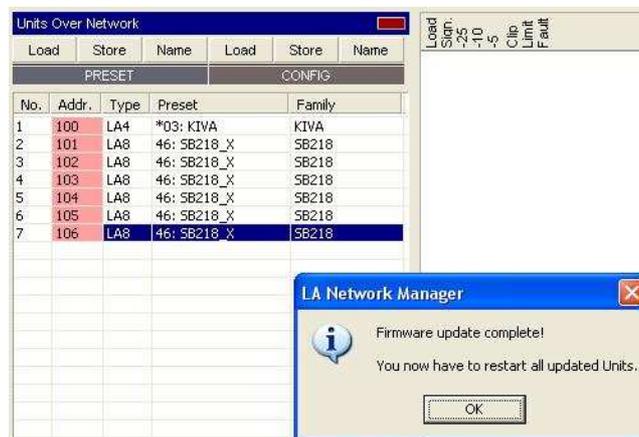
↩ Click on OK.



**Figure 8: Warning message**



**Figure 9: Firmware update on going**



**Figure 10: The controllers are automatically disconnected when the update is finished**

# LA4-LA8 AMPLIFIED CONTROLLER

## FIRMWARE UPDATE PROCEDURE

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- ↳ Click on OK and restart each updated amplified controller by switching it off and on (using the On/Off switch on the controller front panel: refer to the "LA4" or "LA8" user manuals).

**Notes:** Wait for 30 seconds for the controller turn-off sequence to be completed before switching on.  
When the controller is switched on for the first time, it takes 4 minutes for the new Firmware to be installed. During this procedure the LCD screen remains empty.