

THE TELOS ALLIANCE®



ARC Software Release v1.2

Release Notes



*IMPORTANT NOTES:

- This update requires the use of the built-in webpage remote control interface. Be sure that your ARC device is properly configured for and connected to your network (or computer) before updating.
- Your processing parameters, network parameters and routing settings will be carried over and activated automatically after the update.

Software Update Procedure

Below is the step-by-step procedure for uploading the new firmware to your ARC. Note that this will involve removing the unit from the air for several minutes so be sure to have a backup processor ready or perform the update at a time when the station can be down.

Connect to the ARC via Ethernet using a web browser, then login. (Default password is “1234”)

Navigate to the System menu and in the “Software Bank Selection and Update” section, click on the word “Update” inside the gray button. (it will become underlined when the mouse is properly positioned over it)

“Browse” to find the v1.2 update file (.pkg) that you downloaded. Highlight it, click “Open”. Confirm that you want to upload the selected updater file.

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*****IMPORTANT: Do not disturb or remove power from the ARC unit until the update is complete. Any power interruption will result in a corrupted upload and the ARC may have to be sent in for repair. Use of a UPS power backup is advised.

The update process loads the new firmware into the non-active bank; and will take a couple minutes. When you see the following message, the upload of the file is complete: "Update successful". If you do not see this after several minutes, contact Linear Acoustic Support for assistance.

In the "Software Bank Selection and Update:" section, you should now see Version 1.2 loaded into the currently inactive software bank. At this point, your ARC is still running the previous version as you can see next to "Active Bank:"

To select and activate the new version, click the button for the bank where the new version is located and then click the "SELECT" button. (Be sure not to click the "Update" button again instead!) You will now see this message: "Select bank (0 or 1). Unit will reboot." Click OK to proceed, or cancel to remain on the selected bank.

At this point ARC must be rebooted via power-cycle. Please remove power from the unit for about 20-30 seconds and then restore power to the unit. Note that this will take you off the air for several minutes! Be sure you have a backup processor online or have patched around the ARC. Note also that the unit may reboot on its own more than once when powered back up.

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Change Log

1. Addition of SNMP:

- SNMP functionality is now available.
- To enable SNMP, navigate to the System->IP Config page.
- Under SNMP, click the toggle button to “ON”.
- Enter the destination SNMP Server 1 and Server 2 if desired.
- The SNMP community string is “linear”.

A screenshot of a web browser displaying the Linear Acoustic configuration interface. The browser's address bar shows '10.0.0.80/system/IP'. The interface has a dark theme. On the left, a sidebar menu includes 'ARC Automatic Realtime Control', 'Unit: ARC', 'Location: --', 'Program 1', 'Program 2', 'I/O', 'System' (expanded), 'IP' (highlighted), 'Sync / QoS', and 'Meters'. The main content area is divided into three sections: 'CONTROL' (ACTIVE), 'AES67' (INACTIVE), and 'SNMP'. The 'CONTROL' section shows 'Use DHCP' as a toggle switch, and fields for 'NET 1 Address' (10.0.0.80), 'Net Mask' (255.255.255.0), and 'Gateway' (0.0.0.0). The 'AES67' section shows 'Use DHCP' as a toggle switch, and fields for 'NET 2 Address' (192.168.1.251), 'Net Mask' (255.255.255.0), and 'Gateway' (0.0.0.0). The 'SNMP' section has a toggle switch set to 'ON' and two input fields: 'SNMP Server 1 Address' (192.168.1.250) and 'SNMP Server 2 Address' (empty). Each section has an 'EDIT' button.

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2. Addition of Loudness and System logging:

- Logging functionality is now available.
- To enable Logging, navigate to the System page.
- Under Logging, click the toggle button to “ON”.
- To download the Loudness and Loudness Event logs, click “DOWNLOAD LOUDNESS LOG.”
- To download the System log, click “DOWNLOAD SYSTEM LOG.”
- The Loudness log is a rolling 6-hour log, one per program.

A screenshot of a web browser displaying the ARC Linear Acoustic control interface. The browser title is 'ARC | Linear Acoustic - Google Chrome' and the address bar shows '10.0.0.80/system'. The interface has a dark theme. On the left is a navigation sidebar with 'System' selected. The main content area is titled 'DEVICE' and contains several sections: 'Unit Information' (Unit Name: ARC, Location: --, Serial Number: 0520U0008, Software Version: 0.0.71, Programs: 2, Options Installed: None, Temperature: 59.9 °C, Control Port MAC: ae:9e:5b:b7:d3:4f, AES67 Port MAC: 52:5c:c4:b9:f4:ae, Power Supply 1: Off, Power Supply 2: On, Unit Uptime: 0 years, 0 days, 0:16:18), 'Software' (Bank 1: 0.0.71 2020-02-28 104951, Bank 2: 0.0.71 2020-02-28 104951 ACTIVE), and 'Unit Reset' (REBOOT UNIT, RESET UNIT TO FACTORY DEFAULTS, Include IP settings in Reset: OFF). A warning message states: 'Warning: Unit will reboot after selecting a new software bank.' The 'Logging' section is set to 'ON' and includes buttons for 'DOWNLOAD LOUDNESS LOG' and 'DOWNLOAD SYSTEM LOG'. The 'Date' and 'Time' are 12/31/2000 18:00 with an 'EDIT' button. The 'MASTER UNIT BYPASS' is set to 'OFF' and there is a 'LOCATE UNIT' button.

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