Base Details: Status

NOTE: Double clicking on a base in the dashboard brings up a details page for that base.

Name: Field to enter name for the base.

Location: Field to enter location of the base. Required field for alerts.

Dashboard: Base status shown on dashboard

Network: State of network connectivity

Emergency: State of emergency alert

Help Request: State of Help Request

SIP Call: State of call

Low Power Mode: State of power mode

SafetyMute: Indicator for system mute due to PageFirst, Relay Input, or Input Priority

Power Source: Power supply for the base

Serial Number: Serial number of the base

MAC Address: MAC address of the base

IP Address: IP address assigned to the base

DECT ID: DECT ID assigned to the base

C25 App Version: Processor firmware version for base.

C25 FW Version: DECT/DSP firmware for base.

C25 OS Version: Operating System version for the base.

C25 HW Version: Hardware version for the base

Runtime: Total time base has been on the network

Last Restart: Timestamp of last time base was powered down and restarted

Last Update: Timestamp of the last known good network health check for a base

Status

Name:	Math 1
Location:	C109

Item	Status	
Dashboard:	Low Power Mode	
Network:	Active	
Emergency:	Inactive	
Help Request:	Inactive	
SIP Call:	Idle	
Low Power Mode:	Active	
SafetyMute:	Inactive	
Power Source:	PoE+ 802.3at	
Serial Number:	02C25ZS234300244	
MAC Address:	CE:C4:1A:EE:A1:52	
IP Address:	10.1.100.131	
DECT ID:	03C1A00360	
C25 App Version:	7.0.03	
C25 FW Version:	7.0.11	
C25 OS Version:	7.0.05	
C25 HW Version:	R04	
Runtime:	192 hours	
Last Restart:	11/21/2023, 3:55:21 PM PST	
Last Update:	11/29/2023, 4:00:33 PM PST	

Base Details: Paired Devices

PAIRED DEVICES

Lists all the devices that are currently paired with the base. These devices include the Clearmike, Sharemike, and Media Connector (MCN).

Serial Number: Serial number of device

Type: Device type

Connected: Status of wireless connection between the device and the base.

FW Version: Firmware version for device

Student Mode: Toggle on/off for Student Mode. Only available with Clearmike.

Ext Mic Detect: Toggle on/off external mic detection. Only available with Clearmike.

Unpair: Delete pairing between the device and the base.

Paired Devices

Serial Number	Type	Connected	FW Version	Student Mode	Ext Mic Detect	Unpair
03CMTZS234200134	Clearmike	connected	7.0.11	☐	☐	🗑
03SMNZR203900013	Sharemike	connected	6.1.08			🗑
03MCNAR222601115	Media Connector	connected	6.1.06			🗑

Clearmike Details

Item	Status	
MIC index:	1	
Serial Number:	03CMTZS234200158	
DECT ID:	03C1A0005E	
Type:	Clearmike	
FW Version:	7.0.10	
HW Version:	3	
Pairing Status:	paired	
Connected:	connected	
Last Paired:	4/28/2022, 1:48:12 PM PDT	
Battery:	100	
Charging Status:	not charging	
Mic Volume:	0	
Mute:	muted	

CLEARMIKE DETAILS

Double clicking on a device in the list brings up details on that device.

MIC index: Two mics can be paired to a single base. Mic 1 or Mic 2.

Serial Number: Serial number of device

Type: Device type

FW Version: Firmware version for device

HW Version: Hardware version for device (Clearmike only)

Pairing Status: Confirmation that device is paired with base

Connected: Status of wireless connection between the device and the base.

Last Paired: Timestamp of when device was paired with base

Battery: Battery level of microphone. 100, 50, and 10 are the levels shown.

Mic Volume: Volume setting of mic. 10 to 100.

Mute: Mute status of mic.

Base Details: Audio Settings

The audio settings for the base can be adjusted from either the front panel on the base or the Audio portion of the Base Details page. Click the edit icon to adjust the audio settings.

Audio

Input Volume	Output Volume	Tone	Edit
70	40	55	

Edit Base Audio

Input Volume		70
Output Volume		40
Tone		55

Cancel Ok

When using the PageFirst sensor, adjusting the sensitivity of the system can be done in the Base Details page. Click the edit icon to adjust the sensitivity level. Setting the sensitivity to 0 will disable this feature.

PageFirst Sensitivity

PageFirst Sensitivity	Edit
14	

Edit PagingFirst Sensitivity

Sensitivity Level		14

Cancel Ok

Base Details: Status History

The base details page includes a Status History that shows displays the last eight events associated with the base.

All events for all bases are saved in a global log file that can be exported using the Logs menu button.

Status History

Date & Time ↓	Event	
9/15/2023, 4:00:47 PM PDT	update page first sensitivity request	
9/15/2023, 3:57:05 PM PDT	audio settings change	
9/15/2023, 3:57:03 PM PDT	audio settings change	
9/15/2023, 3:32:49 PM PDT	MIC Connected change	
9/15/2023, 3:32:34 PM PDT	MIC Connected change	
9/15/2023, 3:30:43 PM PDT	audio settings change	

Double clicking an event will bring up the Log Entry Details. The log data is saved in a JSON format.

Log Entry Details ✕

```
{
    "serialNumber": "02RBNZS231800074",
    "origin": "basestation",
    "event": "audio settings change",
    "status": {
        "InputVolume": 5,
        "OutputVolume": 100,
        "Tone": 50,
        "Mute": false
    },
    "timeStamp": 1694818625194,
    "dateTime": "9/15/2023, 3:57:05 PM PDT"
}
```

Maps

The Cascadia Web Console has a map feature that can be set up to give a visual representation of the Base Status from the Dashboard. If alerts have been set up in the Cascadia Web Console, the status of the alerts will also be shown on the map.
For details on how to set up the map, see the "Cascadia Software Installation Guide".

Logs

Logs for all the bases on the network are saved as a system log. As a default, the settings for events to be logged are set to the maximum. This system log can be downloaded by clicking the "Download System Logs" button.

LOG LEVEL: Chose the level of detail included in log events.

LOG HTTP TRAFFIC: Log network traffic associated with events.

LOG DXC TRAFFIC: Log wireless traffic associated with events.

LOG SIP TRAFFIC: Log SIP call information associated with events.

Basestation Log Configuration

Log Level	Verbose ▾
Log HTTP Traffic	True ▾
Log DCX Traffic	True ▾
Log SIP Traffic	True ▾
	Ok

System Logs

Download System Logs

Firmware: Download

Firmware updates can be downloaded directly to the Cascadia Web Console using an internet connection or can be manually loaded. Firmware files for the C25, Clearmike, Sharemike, and Media Connector are included in a firmware bundle.

Cascadia Available Updates

[Login to Cascadia Downloads]

Login to download all available updates from
downloads.lightspeed-tek.com

Manually Import Bundle

[Choose File] No file chosen [Upload]

Choose a file before Pressing the Upload button

Select Firmware Bundle

Bundle Name	C25 APP	C25 FW	CMT	MCN	SMN	remove
☐ Cascadia_Release_Bundle_23-10-30	0.6.1	7.0.11	7.0.10	6.1.06	6.1.08	🗑
☐ Cascadia_Release_Bundle_23-10-31	0.6.1	7.0.11	7.0.11	6.1.06	6.1.08	🗑
☐ Cascadia_Release_Bundle_23-11-02	0.6.2	7.0.11	7.0.11	6.1.06	6.1.08	🗑

Firmware: Update

Applying a firmware bundle update to a base will also update all paired devices. Bases can be updated individually or in bulk using the check box. The devices that will be updated are highlighted in yellow.

Select Firmware Bundle

Bundle Name	C25 APP	C25 FW	CMT	MCN	SMN	remove
☐ Cascadia_Release_Bundle_23-10-31	0.6.1	7.0.11	7.0.11	6.1.06	6.1.08	🗑
☐ Cascadia_Release_Bundle_23-11-02	0.6.2	7.0.11	7.0.11	6.1.06	6.1.08	🗑
☑ release0.6.3	0.6.3	7.0.11	7.0.11	6.1.06	6.1.08	🗑

Select one or more bases to update

	Location	Product	Base Name	Serial Number	C25 APP	C25 FW	Paired Devices
☐	C107	Cascadia C25	Physics 1	02RBNZS231800074	0.6.2	7.0.11	CMT 1 : 7.0.11
							CMT 2 : 7.0.11
☐	C101	Cascadia C25	ELA 1	02RBNZS231800060	0.6.2	7.0.11	CMT 1 : 7.0.11
							CMT 2 : 7.0.11
☐	C109	Cascadia C25	Math 1	02C25ZS234300244	0.6.3	7.0.11	CMT 1 : 7.0.11
☐	C108	Cascadia C25	Math 2	02C25ZS234300079	0.6.3	7.0.11	CMT 1 : 7.0.11
							SMN 2 : 6.1.08
							MCN : 6.1.06

Apply Bundle

Pressing the Apply Updates button will push the update packages to the selected bases.

bundle to be applied: release0.6.3
number of bases to apply to: 0

Apply Updates

Programming: Stand Alone

The programming web page has options to pick an integration partner and to program the buttons on the paired Clearmike.

SELECT AN INTEGRATION PARTNER

The **Standalone** selection can be used for generic integrations if a building is equipped with an alert notification system.

The **Alert Button** can be programmed to control the contact closure on the rear panel of the C25, which external systems can use to perform a prescribed action, such as notifying the appropriate parties of a classroom alert.

Alternatively, the **Alert Button** can be programmed to activate a contact closure followed by a SIP call to control both functions with a single button press.

ALERT TIMEOUT VALUE

The Alert Timeout Value controls how long alerts are displayed in the Dashboard. This is a Cascadia Web Console specific setting and does not control other third-party systems. Value can be set between 0 and 3600 seconds.

PROGRAM BUTTONS ON THE CLEARMKIE

Button 1 or **Button 2** can be programmed to initiate a SIP call, if that feature is set up using the SIP Calling web page.

Disable buttons: All buttons can be disabled by selecting the None option.
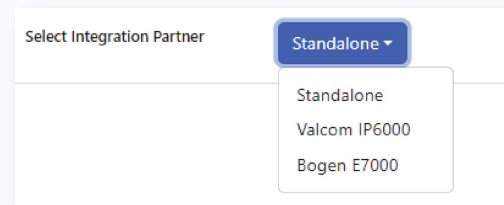
Programming: Integration Partners

OPTIONS OTHER THAN STANDALONE

For options other than Standalone, the integration is handled through the network. For details on how to set up the network integration with various partners, see the "Cascadia Software Installation Guide".

PROGRAM BUTTONS ON THE CLEARMKIE

The **button programming options** control what is displayed on the microphone screen and the commands sent over the network. The prescribed actions that are activated with the microphone command signals are setup, customized, and controlled by the integration partner system.

Button 1 and **Button 2** have the same programming options. The options include a Help Request, SIP call, and Check-in commands. One option combines the Help Request and SIP call into a single button.

The **Alert Button** can be programmed to activate an Emergency Alert or the combined action of an Emergency Alert with a SIP call.

Disable buttons: All buttons can be disabled by selecting the None option.

SIP Calling

Use the SIP Calling web page to integrate with a school's phone system to enable SIP calls.
Follow the phone system instructions on how to register a third-party SIP device.

Double click on a base to edit the individual base SIP settings.

Global SIP settings.

Destination URI	URI sip:1002@10.1.100.90	———— SIP ADDRESS TO CALL
Server	Server 10.1.100.90:5060	———— IP ADDRESS OF PHONE SERVER
Register	True ▾	
Protocol	udp ▾	———— PROTOCOL TYPE: TCP OR UTP
	Ok	

Individual Base SIP settings (active bases only).

Base	Serial Number	Location	Base URI	Display Name	Password
Physics 1	02RBNZS231800074	C107	sip:1007@10.1.100.90	1007	794kfjfguejf9gk4of0ck4i50gkfk...
ELA 1	02RBNZS231800060	C101	sip:1001@10.1.100.90	1001	54kdldofihls4l6k43aaal3ahdcbn...
Math 1	02C25ZS234300244	C109	sip:1009@10.1.100.90	1009	dcd0f470496990e3ea5ad8aac4...
Math 2	02C25ZS234300079	C108	sip:1008@10.1.100.90	1008	44cb3d032932504b001217f792...

Edit Base SIP Settings

Base URI	URI sip:1007@10.1.100.90 ✓	———— SIP ADDRESS OF BASE
Display Name	Display Name 1007 ✓	———— DISPLAY NAME WHEN PLACING A CALL
Password	Password 794kfjfguejf9gk4of0ck4i50gkfk ✓	———— PASSWORD REQUIRED BY PHONE SYSTEM
	Cancel Ok	

LDAP

Use the LDAP web page to integrate with a school's LDAP system.

SERVER: IP address or system name of LDAP server.

SERVER PORT: Port number to communicate with LDAP server.

ADMIN DN: Distinguished name of LDAP account with read access.

ADMIN PASSWORD: Password for above LDAP account.

SEARCH BASE DN: Distinguished name of LDAP organizational unit where webapp user accounts reside.

ATTRIBUTE: Name of LDAP user attribute that provides webapp access.

LDAP Setup

|		
Server	IP/DNS	dc.yourcompany.com
Server Port	Port	389
Admin DN	DN	CN=ldapsvc,OU=Users,DC=yourcompany,DC=c
Admin Password	Password	***************
Search Base DN	DN	OU=Users,DC=yourcompany,DC=com
Attribute	Role	cascadiaRole

Ok

Clearmike Battery Replacement

BATTERY PART #L3.7V

1. Push down on the latch and carefully pull the battery pack away from the Clearmike.

2. Insert new battery pack as shown and make sure the latch is secure.

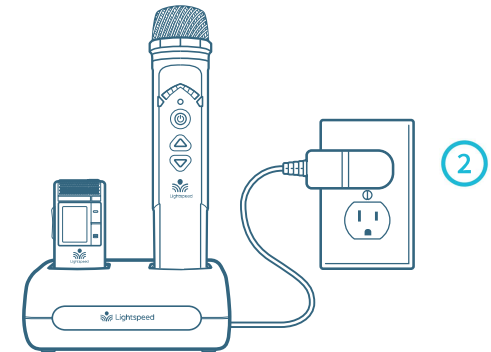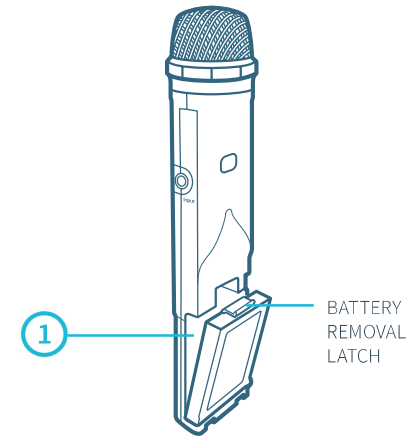3. Place the Clearmike in a cradle charger to charge the battery pack.
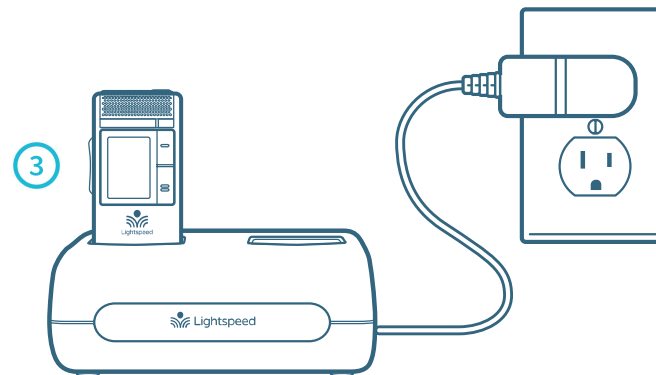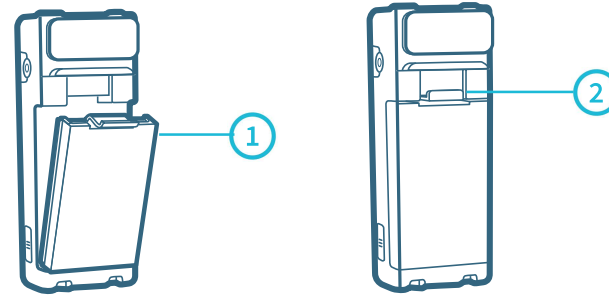
Sharemike Battery Replacement

BATTERY PART #L3.7V

1. Push down on the latch and carefully pull the battery pack away from the Sharemike.

2. Insert new battery pack as shown and make sure the latch is secure.

3. Place the Sharemike in a cradle charger to charge the battery pack.

BATTERY REMOVAL LATCH

Troubleshooting

PROBLEM: Low battery indication: Most problems are directly related to low battery power. Please run through the "Battery Check" items first. For remaining troubleshooting, use known good, fully-charged batteries.

SOLUTION: Battery Check

- Confirm batteries are charged each night. A solid red light on the battery status light indicates a low battery.

- Confirm proper batteries are used: Clearmike and Sharemike require the Lightspeed #L3.7V rechargeable battery pack.

- Make sure the microphones obtain a full charge. A full charge takes 5-6 hours.

- When charging the transmitter, the red charging light is solid. The green light will be solid when a full charge is reached.

PROBLEM: Microphone doesn't indicate a "Ready" signal (solid white light)

SOLUTION: Follow these steps to ensure the system is ready to use.

- Power cycle the microphone using either the Power/Mute button or by placing in a charger and then removing it. Wait for up to 30 seconds for the white light to turn solid, indicating READY for operation.

PROBLEM: Low volume or feedback

SOLUTION: Follow these steps to eliminate low volume or feedback:

- If the volume is too high, feedback will occur. Adjust accordingly.

- Adjust the volume level on the Clearmike or move the microphone further from the audio system speakers.

PROBLEM: No sound from speaker and wireless components

SOLUTION: Follow these steps to produce sound from C25:

- Confirm that the white POWER light located on the front panel of the C25 is on.

- Confirm the microphone is powered on and linked to the C25. The Talk/Mute light will be white indicating the microphone is linked.

- Tap the Power/Mute button to confirm that microphone is not muted. The Talk/Mute light on the front of the microphone will be solid blue indicating microphone is not muted.

- Check speaker connections on the C25. Make sure the cables are properly connected (see page 8 of this manual or the Installation Guide for more information).

- Slowly turn up the volume level while talking into the microphone.

If you still have questions after reviewing these instructions, call Lightspeed Technical Services at 800.732.8999, 5am–5pm, PST.

Customers outside the U.S. should contact their local reseller.

Tips for Optimum Audio Performance

- **Speak in a natural voice.** A normal conversational speech level will provide an adequate signal. It is not necessary to increase the intensity of your voice—the audio system provides adequate amplification (approximately 5–10 dB) above ambient room noises.

- Avoid **wearing jewelry** that may rub or bump against the microphone.

- **Mute the microphone** during private conversations with a student, parent, or other classroom visitor. You can tell the mic is muted when the light turns white.

- **Recharge microphones each night.** When recharged nightly, operating time (actual usage) for the microphones will last through a typical school day.

Five-Year Limited Warranty

Lightspeed Classroom Audio Systems are guaranteed against malfunction due to defects in materials and workmanship for a period of five (5) years, beginning at the date of the purchase invoice. If such malfunction occurs, the product will be repaired or replaced (at Lightspeed's option) without charge during the warranty period.

Lightspeed's Warranty Exchange Program applies to all classroom audio systems within the five (5) year warranty period. If a classroom audio product or component has an issue that requires service, a refurbished replacement will immediately be sent to the customer to minimize downtime. Customers will receive the exchange product(s) or component(s) within 2-3 days. A prepaid return label will be included with exchanged products so original malfunctioned equipment can be returned to Lightspeed. Any exchanged equipment will remain covered under the original five-year warranty.

1. Warranty for C25 is five (5) years.

2. Warranty on Lightspeed NiMH and Lithium Polymer rechargeable batteries is one (1) year.

3. Warranty on microphones and components that support discontinued systems (FMA, SMA and FMCA) is one (1) year.

4. A prepaid shipping label will be provided by Lightspeed for warranty repairs within the United States. Customers outside the U.S. should refer to the Lightspeed website (www.lightspeed-tek.com) for warranty repair instructions.

5. Warranty does not extend to finish, appearance items, or malfunctions due to abuse or operation other than specified conditions, nor does it extend to incidental or consequential damages. Repair by other than Lightspeed or its authorized service agencies will void this warranty. Information on authorized service agencies is available from Lightspeed Technologies, Inc.

Our Service Department (800.732.8999, 5am–5pm, PST) will handle your repair or replacement needs.

Customers outside the U.S. should contact their local reseller.