User Manual
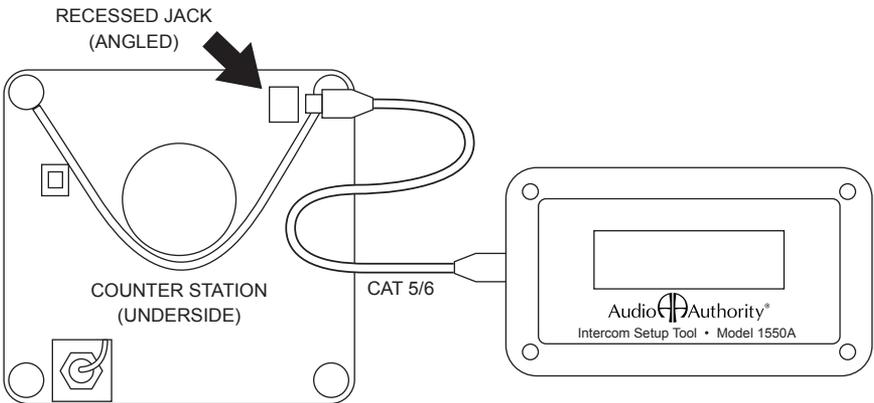
Model 1550A
Intercom Setup Tool

Audio ∩∩ Authority®
Series 1500 Intercom Systems

Firmware Version 5.02 and later

1550A CALIBRATION AND SETUP

The Model 1550A is a programming tool that shows the menus and settings for Series 1500 and 1580* Intercom Systems. The entire system can be calibrated from one counter station (except for Model 1533**). Connect the CAT 5/6 cable to the RJ45 jack on the underside of any live counter station (the jack is at an angle). Return the counter station to its upright position and connect the 1550A Setup Tool. If the counter station has a handset cradle make sure the handset is resting in the cradle before you connect the 1550A. Upon connection, the 1550A displays "Series 1500 EQUIPMENT CALIBRATION PLATFORM".
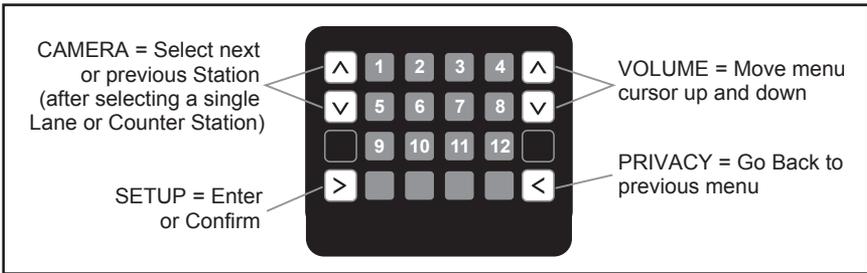
• Hold the SETUP key on the counter station for one second to enter Setup Mode. The 1550A displays the top level of the menu shown on page 4.

• To navigate the menus, use the VOLUME UP and VOLUME DOWN keys to move the cursor.

• Use SETUP to enter a submenu or confirm a selection, and PRIVACY to go back.

• Any changes you make are recorded as you exit each menu. When you exit Setup Mode, you must choose to either save all changes and exit, or exit without saving.

• If you need to re-enter Setup Mode, simply press SETUP for 1 second.

RECESSED JACK
(ANGLED)

COUNTER STATION
(UNDERSIDE)

CAT 5/6

Audio Authority®
Intercom Setup Tool • Model 1550A

1580 Intercom firmware cannot be updated in the field. Use the firmware v.4.09 menu tree while adjusting 1580 parameters. Do not connect a hub to 1580 series.

Model 1533 Intercom / Telephone Interface requires separate programming using the 1550A. After setting up the intercom system, connect the 1550A to each 1533 in the system and perform setup tasks as outlined in the 1533 manual.

USING THE KEYPAD FOR NAVIGATION

CAMERA = Select next or previous Station (after selecting a single Lane or Counter Station)

VOLUME = Move menu cursor up and down

PRIVACY = Go Back to previous menu

SETUP = Enter or Confirm

POWER USER TIPS

Note: the menus have changed with Series III (firmware v.5.01) to harmonize between all hubs. Check the menu tree on page 4.

- For faster menu navigation, submenus may be selected by touching the key that is lit RED corresponding to the menu item (see the numbered keys above). For instance, to enter BLOWER MOTOR DELAY, press 1 and then 1.
- To Exit Setup Mode from any menu, hold SETUP for one second and follow the prompts on the 1550A.
- After adjusting a Lane Station or counter station, you can use the CAMERA UP or CAMERA DOWN keys to select other stations for adjustment without leaving the submenu.

WARNINGS
- Read these instructions before using this product.
- This product must be installed by qualified personnel.
- Do not expose this unit to excessive heat.
- Clean the unit only with a dry or slightly dampened soft cloth.

LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. Audio Authority® cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user of the hardware to check that it is suitable for his/her requirements and that it is installed correctly. All rights are reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher.

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Series 1500 Menu Map with Default Values

Firmware Version 5.02 Released Feb. 15, 2024

The following table shows the menu structure and factory default values, where applicable.

Root Menu	First Menu Subset	Second Menu Subset
1: System Parameters	1: Blower Motor Delay 2: Power Save Delay ‡ 3: Supervisor Teller *‡ 4: Lane Mirror Disable ‡§ 5: Traffic Sensor Tone 6: Background Threshold 7: Allow Video Scroll *‡§ 8: Master Teller *‡	
2: Lane Parameters	1: Single Lane* 2: Auto Select Lane* 3: Group of Lanes *‡ 4: All Lanes* 5: Cancel*	1: Inbound Volume Level 2: Outbound Volume Level 3: Open Loop Gain 4: Handset Mic Level 5: Handset Speaker Level 6: Ringtone Override * 7: Half Duplex Only 8: Program Audio Abate * 9: Relay Operation 10: Swap Camera Up/Down ‡§ 11: Suppress Video *‡§
3: Teller Parameters	1: This Teller* ‡ 2: Single Teller* ‡ 3: Group of Tellers* ¶‡ 4: All Tellers* ‡ 5: Cancel* ‡	1: Key Assignment 2: Allow Hands Free
4: Set Defaults	1: Cancel 2: Financial Defaults 3: Pharmacy Defaults	
5: Memory Card *‡	1: Cancel 2: Write To Memory Card *‡ 3: Read Memory Card *‡ 4: Firmware Upgrade *‡	
6: Exit	1: Cancel 2: Exit and Save 3: Exit Without Saving	

Note: this Firmware version applies to current and previous 1500 Series counter stations, hubs and lane stations. **(It does not apply to 1580 series, do not attempt to update 1580 firmware.)** The menu structure has been updated; as a result, some of the shortcut key strokes have changed in order to harmonize setup procedures across all models.

Financial Default Value	Pharmacy Default Value
3.0	3.0
90	90
None	None
Off	Off
Use Lane Ringtone	Use Lane Ringtone
4	4
On	Off
None	1

8	8
4	4
12	12
8	8
8	8
None	None
Off	Off
Off	Off
Selection Activates	Selection Activates
Off	Off
Off	Off

On	Off

Features that do not apply to some models are noted below.

* Not Available with 1-on-1 configurations
§ No effect on 1509B audio mini hub configurations
¶ Not available with 1509B(V) mini hub configurations
‡ Not available with 1522 dual lane stations

Menu Selections   Definitions

AUTO-SELECT 1 LANE	Allows installer to configure lane audio settings using live audio from the lane. Useful for adjusting inbound and outbound audio levels.
ALLOW HANDSFREE	Allow communication using speaker and gooseneck microphone.
ALLOW VIDEO SCROLL	Inactive counter stations view all available cameras in sequence; when video scroll is disabled, inactive counter stations see only the wideview camera (if installed).
BACKGRND THRESHOLD	Adjustment for level of background audio rejected by counter station microphone. 0 = no rejection.
BLOWER MOTOR DELAY	If enabled, the period between disengagement of blower and microphone audio un-mute.
FIRMWARE UPGRADE	This menu allows the firmware of system components to be upgraded.
HANDSET MIC LVL	Lane handset inbound volume level adjustment.
HANDSET SPKR LVL	Lane handset outbound volume level adjustment.
HALF DUPLEX ONLY	Enables 'push-to-talk' operation.
INBOUND VOLUME LVL	Inbound volume level adjustment.
KEY ASSIGNMENT	This menu enables lane selection keys to be redefined in any configuration desired. First select the lane number to be assigned using the VOLUME keys. Then touch the key to be assigned to that lane. If the desired key is already assigned, touch it twice. Now available on 1509B(V)s, 1520B, and 1522B
LANE MIRROR DISABLE	OFF = idle lane stations display their own camera output. ON = idle lane stations DO NOT display their own camera output.
MASTER TELLER	Enables one counter station to take over conversations conducted on any other counter station. See also Supervisor Teller.
OUTBOUND VOLUME LVL	Outbound volume level adjustment.

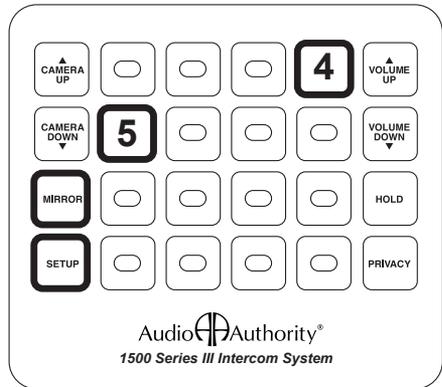|	
OPEN LOOP GAIN	Adjustment for adapting to different acoustic environments. Lower this setting for lane station acoustical environments with too much microphone and speaker coupling. Increase this setting to hear more of the customer while operator is talking.
PGM AUDIO ABATE	ON = Program Audio heard ONLY when lane is on hold. OFF = Program Audio heard when lane is idle OR on hold.
POWER SAVE DELAY	If enabled, the length of time the system must be idle before entering Power Save (LCD sleep).
READ FROM MEM. CARD	System settings are restored from hub memory card.
RELAY OPERATION	Allows configuration of lane station relay contacts (Model 1520B terminal block pos. 9 & 10). The contacts can be set to close using the HOLD key, or while the lane is selected. (See Operator Card for HOLD key operation details.)
RINGTONE OVERRIDE	Press a key to select a unique ringtone for the selected lane station(s). 1 = no override (plays the ringtone set by each counter station). All other keys represent unique ring tones which override any counter station settings.
SINGLE LANE	Allows installer to configure lane audio settings without using live audio from the lane. Useful when lanes are in use or audio is not required for adjustments.
SUPERVISOR TELLER	If enabled, allows one counter station to monitor others discreetly (without the ability to interact - only receives video and audio). See also Master Teller.
SWAP CAMERA UP/DOWN	Swaps functions of the camera up and down buttons – use with third party camera tilt.
TRAFFIC SENSOR TONE	Press a key to select a unique ringtone for all traffic sensor events. 0 = no ringtone, 1 = use lane station Ringtone Override setting.
WRITE TO MEM. CARD	Save system settings to hub memory card.

Firmware Update Instructions

Version 4.0 and later *(Do not attempt to update 1580 firmware)*

Download the latest 1500 Series firmware from www.audioauthority.com and follow the instructions to copy the files onto any SD card (microSD for 1509B and BV).

This update may take several minutes. The system cannot be used during this time, so plan for adequate down-time to complete and verify the update.

- Insert the memory card into the hub* card slot (microSD for 1509B, 1509BV or SD for 1517A).
- Connect a 1550A Setup Tool to the underside of a counter station that has firmware v4.0 or higher.
- Press Setup for 2 seconds
- Press Key 5 (1st lane key on second row)
- Press Key 4 (last lane key on top row)
- Press the Mirror key
- Press the Setup key twice

After a successful update, "Firmware upgrade complete" is displayed on the 1550A screen. The menu on the 1550A has been updated to show consistent structure across all hubs. It shows several new selection options that apply to new models. Once the update is complete, all indicators on the hub will return to normal operation.

* Systems without a hub may be updated by temporarily inserting a hub into the system. Do not attempt to update 1580 series firmware.

If you have questions or require assistance with this product in areas not covered by this manual, please contact Audio Authority using the information below.