



Operation/Reference Guide

Audio Controller LCD Keypads

Flush-Mount LCD Keypad (DAS-KP-LCD-G)
Surface-Mount LCD Keypad (DAS-KP-LCDS-W)



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Table of Contents

Matrix Audio Controller LCD Keypads	1
Overview	1
DAS-KP-LCD-G Flush Mount LCD Keypad (FG1120-0X)	1
DAS-KP-LCDS-W Surface Mount LCD Keypad (FG1120-12)	1
Audio Controller Keypads - Features By Model	2
Installing the Surface-Mount LCD Keypad (DAS-KP-LCDS-W)	3
Overview	3
Installing the Flush-Mount LCD Keypad (DAS-KP-LCD-G)	5
Overview	5
Customizing LCD Keypad Labels	7
Overview	7
Customizing SOURCE Labels.....	7
Customizing Source Command Labels	8
Using the LCD Keypads	9
Basic Functionality (Mi Series & Delta)	9
Turn On a Source (Single Room)	9
Turn Off a Source (Single Room)	9
Turn a Source On in All Rooms.....	9
Turn All Rooms Off (System Off)	9
Direct Entry (From The Source Main Screen)	9
Tuner	9
CD	9
Cable / Satellite.....	10
Presets (Setting & Recalling)	10
Setting a Preset.....	10
Recalling a Preset.....	10
Advanced Functionality (Mi Series & DELTA).....	11
Grouping Rooms	11
Setting/Clearing the Alarm Clock	12
Locking/Unlocking Keypads	12
Tone Control Settings (Bass/Treble/Balance/SRS)	13
Backlight Settings	14
Privacy Mode	14

Matrix Audio Controller LCD Keypads

Overview

The Matrix Audio Controller LCD Keypads (FIG. 1) are compatible with both Delta and Mi Series Audio Controller Systems and provide Direct Access Control and advanced functionality such as:

- Setting and recalling Source Presets
- Setting and recalling Source Favorites
- Zone Grouping
- Alarm clock settings
- Keypad Lockout



FIG. 1 Matrix Audio Controller LCD Keypads

DAS-KP-LCD-G Flush Mount LCD Keypad (FG1120-0X)

The DAS-KP-LCD-G Flush Mount LCD Keypad combines the control functionality of the DAS-KP-4e/KP-6e and DAS-KP-NUM keypads, with the added benefit of visual feedback.

The DAS-KP-LCD-G is available in the following colors:

- Gloss Black (FG1120-01)
- Gloss White (FG1120-02)
- Gloss Almond (FG1120-03)
- Gloss Ivory (FG1120-04)

DAS-KP-LCDS-W Surface Mount LCD Keypad (FG1120-12)

The DAS-KP-LCDS-W Surface Mount (retrofit) LCD Keypad combines the control functionality of the DAS-KP-4e-G/KP-6e-G and DAS-KP-NUM-G keypads, with the added benefit of visual feedback.

The DAS-KP-LCDS-W is available in the following color:

- Matte White

Audio Controller Keypads - Features By Model

The following table indicates the features supported by each of the Matrix Audio Controller Keypads:

Audio Controller Keypads - Features By Model		
Model Name	Description	Features
LCD Keypads:		
• DAS-KP-LCD-G (FG1120-0X)	Flush Mount LCD Keypad	<ul style="list-style-type: none"> • Direct access control • Setting/recalling presets • Setting/recalling favorites • Zone grouping • Alarm clock settings • Keypad lockout
• DAS-KP-LCDS-W (FG1120-12)	Surface Mount LCD Keypad	
Pushbutton Keypads:		
• DAS-KP-4e-G (FG1120-3X)	Flush Mount 4 Source Keypad	<ul style="list-style-type: none"> • Control of 4 sources • 5-button navigation control • Bass, treble and balance control • Built-in IR receiver • Metal chassis for enhanced rigidity • Field-replaceable buttons and bezel • Opaque button color • 4-pin input/output connectors
• DAS-KPI-4e-G (FG1121-3X)	Flush Mount 4 Source Keypad (International)	
• DAS-KP-6e-G (FG1120-4X)	Flush Mount 6 Source Keypad	<ul style="list-style-type: none"> • Control of 6 sources • 5-button navigation control • Bass, treble and balance control • Built-in IR receiver • Metal chassis for enhanced rigidity • Field-replaceable buttons and bezel • Opaque button color • 4-pin input/output connectors
• DAS-KPI-6e-G (FG1121-4X)	Flush Mount 6 Source Keypad (International)	
• DAS-KP-NUM-G (FG1120-2X)	Flush Mount Numeric Keypad	<ul style="list-style-type: none"> • 12-button numeric control • Direct access control • Setting/recalling presets • Setting/recalling favorites • Zone grouping • Alarm clock settings • Keypad lockout
• DAS-KPI-NUM-G (FG1121-2X)	Flush Mount Numeric Keypad (International)	

Installing the Surface-Mount LCD Keypad (DAS-KP-LCDS-W)

Overview

The DAS-KP-LCDS-W Surface Mount LCD Keypad (FIG. 1) is shipped completely assembled. To correctly install the DAS-KP-LCDS-W (*retrofit*) in the wall, you must remove the Front Bezel and the LCD screen.

Please follow these instructions carefully to ensure correct installation and operation.



FIG. 1 DAS-KP-LCDS-W Surface Mount (Retrofit) LCD Keypad

Parts List		
• Front Bezel	• Keypad Control Board	• Mounting Plate
• LCD Touch-screen	• Keypad Connector Board	• Mounting Screws x 2



CAUTION

Before installing the LCD Keypads, POWER OFF the Matrix Controller (and Expansion Controllers, if applicable).

1. To remove the Front Bezel, firmly hold the rear connector board with one hand while squeezing the top and bottom near one edge of the front bezel with the other hand.

While squeezing, gently pull the bezel back and down.

A soft click should be heard when the bezel is freed from the mounting plate.

2. Use a small Phillips screwdriver to remove the four screws in the corners of the LCD board.

Once all the screws have been removed, gently grip each side of the LCD screen and rock it away from the mounting plate.

This will slowly release the LCD screen from the bank of pins connecting it to the Keypad Control Board.

- 3.** Plug the speaker-wire connectors to the “To Speakers” connector and plug the Zone wires into the “To Controller” connector on the back of the Keypad Connector Board.
Ensure the wiring scheme is correct and that the connector at the Controller is plugged into the Zone output.
- 4.** Use the provided screws to mount the Keypad Mounting Plate to the j-box in the wall.
Make sure the screws are secure enough that the keypad will not move when touched but be sure not to overtighten the screws. If the screws are over-tightened, the connection between the LCD Screen and the Keypad Control board may not be adequate.
- 5.** Reconnect the LCD screen to the Keypad Control board making sure to line up the four screw holes correctly.
This will ensure that all the pins will plugged into their appropriate receptacles.
- 6.** Secure the LCD screen with the four screws that were removed in step #2.
Make sure the volume buttons are still in place on the switches.
- 7.** Before placing the Front Bezel over the screen, POWER ON the Controller (and Expansion Controllers, if applicable). The DAS-KP-LCDS-W will start the initialization process immediately.



NOTE

When the System is first powered ON, it could take up to 4 minutes to load all the information to the LCD keypads. Please wait until initialization has completed before using the keypad.

- 8.** If everything initialized correctly you should see the source listing at the top of the screen and “All-On”, “All-Off” and the time displayed at the bottom of the screen.
- 9.** Remove the protective film from the front of the LCD Touch-screen.
- 10.** Place the Front Bezel on the LCD screen and firmly “click” it into place. It should fit tightly to the Mounting plate.

Installing the Flush-Mount LCD Keypad (DAS-KP-LCD-G)

Overview

The DAS-KP-LCD-G Flush Mount LCD Keypad (FIG. 1) is shipped completely assembled.



FIG. 1 DAS-KP-LCD-G Flush Mount LCD Keypad (Flushmount)

Parts List
• Front Bezel
• LCD Touch-screen & Housing



Before installing the LCD Keypads, POWER OFF the Matrix Controller (and Expansion Controllers, if applicable).

1. Using the cut-out template provided, center the template on the desired location on the wall and mark the hole to be cut.
2. Connect the appropriate speaker & controller cables to the back of the DAS-KP-LCD-G.
 - The speaker connector is located on the right-hand side
 - The controller connector is located on the left-hand side.
3. Remove the bezel from the front, and insert the LCD Keypad and housing into the hole in the wall.
4. Press the housing firmly against the wall and tighten the 4 mounting screws (black Phillips head) located in each corner of the housing. This will cause the doglegs to extend and press against the drywall and will secure the Keypad to the drywall.
Be sure not to over-tighten these screws.
5. Remove the protective film from the front of the LCD Touch-screen.

6. Carefully place the keypad bezel on the front of the Keypad.
Start on one side making sure the volume button fits through the appropriate volume hole, and gently squeeze the cover to secure it to the other side of the housing.
The second volume button may need to be pressed in order to fit through the appropriate volume hole.
7. POWER ON the controller (and Expansion Controllers, if applicable). The DAS-KP-LCD-G will start the initialization process immediately.



When the System is first powered ON, it could take up to 4 minutes to load all the information to the LCD keypads. Please wait until initialization has completed before using the keypad.

8. If everything initialized correctly you should see the source listing at the top of the screen and “**All-On**”, “**All-Off**” and the **time** displayed at the bottom of the screen.
9. To remove the cover, gently pry from the top corner until all four clips release from the housing.

Customizing LCD Keypad Labels

Overview

Customization of labels displayed on the LCD keypad is done via the *Setup* menu on the front of the Controller. Both *Source* labels and *Source Control* labels can be customized (FIG. 1).

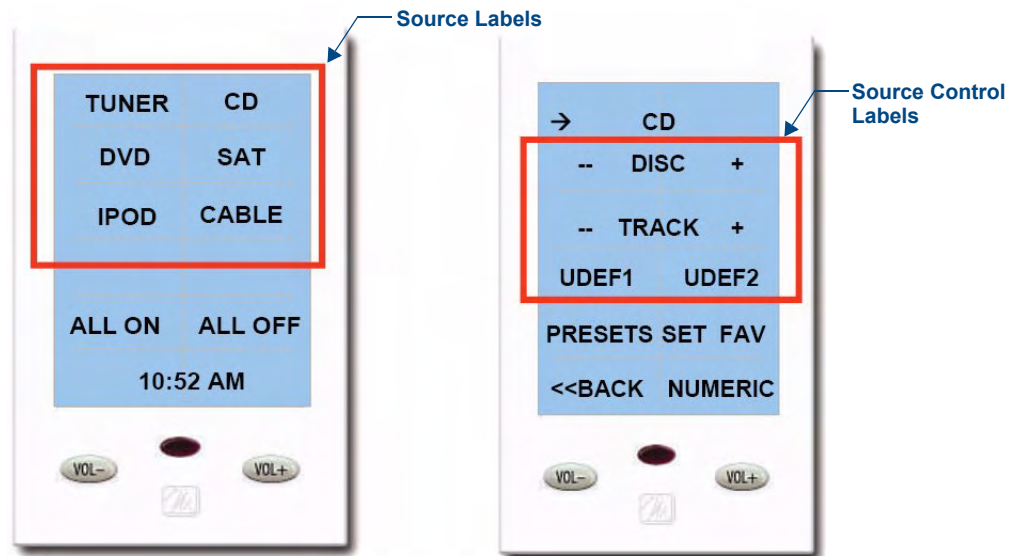


FIG. 1 Source Labels and Source Control labels

Customizing SOURCE Labels

1. Enter the *Setup* menu from the front of the Matrix Controller, by pressing the **SELECT** button (FIG. 2).

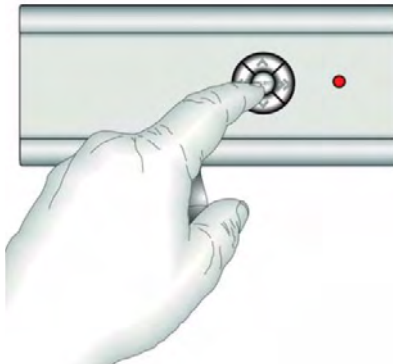


FIG. 2 Press the SELECT button on the front of the Matrix Controller

2. From the menu displayed, select **SETUP / MRC / PROGRAM**.
3. Select the **source #** of which you wish to customize the source name. The default Source name will be displayed.
4. Select "**Label**". The first letter of the *Source Name* will be highlighted. Use the **UP/DOWN** buttons to change the letters in the source name.
 - To move from letter to letter, use the **FORWARD >>** button.

- To delete a letter, use the << **BACK** button.
- Press the **CENTER** button to save the label.



Source Names are limited to 6 characters.

Customizing Source Command Labels

1. Enter the *Setup* menu from the front of the Matrix Controller, by pressing the **SELECT** button.
2. From the menu displayed, select **SETUP / MRC / PROGRAM**.
3. Select the **source #** of which you wish to customize the source command name.
4. Select "**Learn IR**". The first IR command for the source will be displayed.
5. Select "**Next**" until the IR command you wish to customize is displayed.
6. Select "**Label**". The first letter of the *IR Command Name* will be highlighted. Use the **UP/DOWN** buttons to change the letters in the IR command name.
 - To move from letter to letter, use the **FORWARD** button.
 - To delete a letter, use the **BACK** button.
 - Press the **CENTER** button to save the label.



Source Command Names are limited to 6 characters.

Using the LCD Keypads

Basic Functionality (Mi Series & Delta)

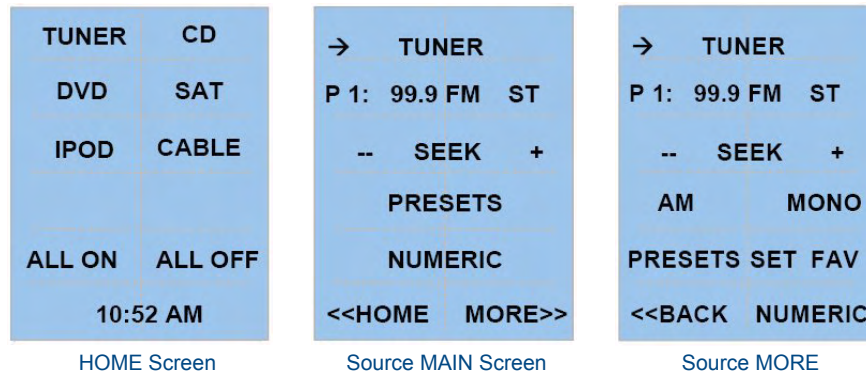


FIG. 1 Basic Functionality - Home, Source MAIN and Source MORE screens

Turn On a Source (Single Room)

Touch the desired source. The LCD screen will switch to the *Source MAIN* screen and the source will begin playing. An arrow will be displayed beside the source name to indicate that the source is ON (see FIG. 1).

Turn Off a Source (Single Room)

Touch the source that is currently On. The source will no longer play and the arrow will no longer be displayed beside the source name.

Turn a Source On in All Rooms

From the *HOME* screen, touch "ALL ON". The text "Select Source" will flash. Touch the desired source. All rooms will begin playing the selected source.

Turn All Rooms Off (System Off)

From the *HOME* screen, touch "ALL OFF". Audio in all rooms will be turned off.

Direct Entry (From The Source Main Screen)

Tuner

To enter a specific station, touch "NUMERIC". The numeric screen will be displayed. Touch the station numbers plus **ENTER**.

Examples:

- **104.5** (use the "dot" for FM stations)
- **1050** (if "dot" is not used, station = AM)

CD

To enter a specific Disc & Track, touch "NUMERIC" and enter the Disc #, touch the dot, then enter the **Track #, plus ENTER** (*disc and track must be separated by "dot"*).

To enter a specific Track while listening to a Disc, touch "NUMERIC" and enter the **Track # plus ENTER**.

Cable / Satellite

To enter a specific channel, touch "NUMERIC" and enter the **Channel # plus ENTER**.

Presets (Setting & Recalling)

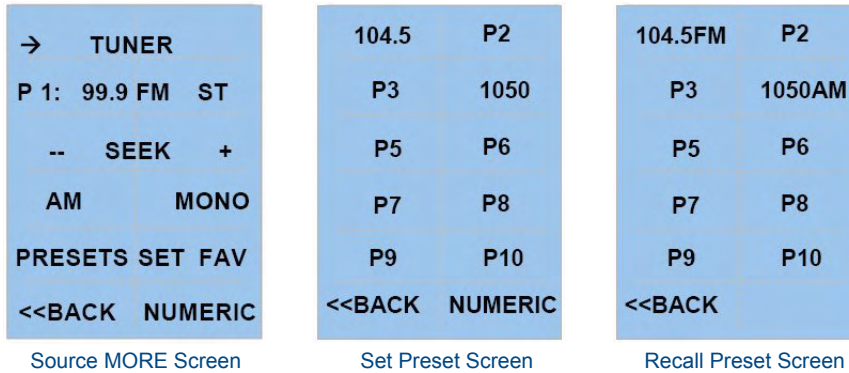


FIG. 2 Basic Functionality - Setting and Recalling Presets

Setting a Preset

Presets can only be set from the **Source MORE** screen.

1. Access the *Source MORE* screen from the *source MAIN* screen by touching "MORE>>".
2. Touch "PRESETS". A numeric screen will be displayed.
3. Enter the **Station, CD & Track, Channel plus ENTER**.
4. A *Presets* screen will be displayed with 10 possible preset positions.
5. Select any preset position.

Recalling a Preset

From the *Source MAIN* screen, touch "PRESETS" and select the desired preset.

Advanced Functionality (Mi Series & DELTA)

Advanced functions are accessed by simultaneously pressing & holding the **Vol - / Vol+** buttons for 3 seconds. FIG. 3 shows the Advanced Functionality screen for KP-LCD Keypads.

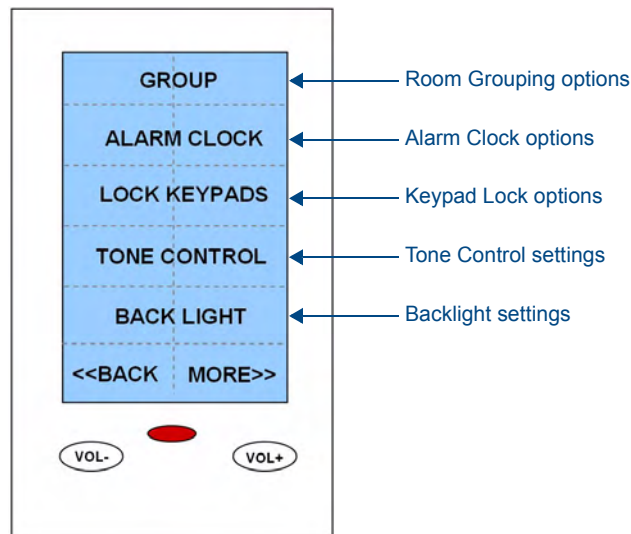


FIG. 3 KP-LCD Advanced Functionality screen



NOTE

Advanced Functionality is largely reserved for Mi/Tango Controllers. Only Backlight and Tone (except for SRS) are available on Delta Controllers.

Grouping Rooms

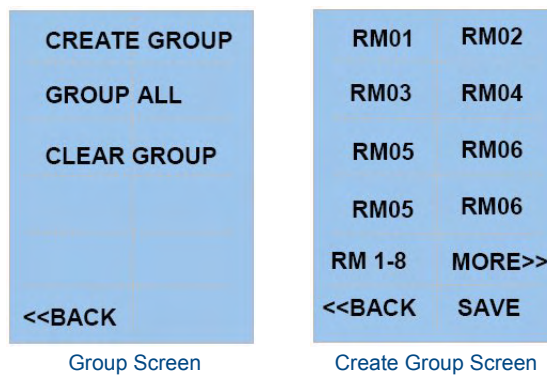


FIG. 4 Advanced Functionality - Creating Groups

1. With the desired source ON, access the *Advanced* screen and select "**GROUP ROOMS**".
2. Select "**Create a Group**" to specify the rooms to be included in the Group.
3. Select "**Group ALL**" to group all rooms.



NOTE

When a group is created all rooms included in the group will behave as one room (same source & volume)

- To adjust the Group Volume, Touch **Vol - / Vol+** while on the *Group* screen.
- To adjust the Volume for an individual room, exit the *Group* screen, and touch **Vol - / Vol+** from the keypad in each room.
- To clear a Group, access the *Group Room* screen and touch "**Clear Group**".

Setting/Clearing the Alarm Clock

RM01	RM02
RM03	RM04
RM05	RM06
RM05	RM06
RM 1-8	MORE>>
<<BACK	SAVE

FIG. 5 Alarm Clock options

1. To set an Alarm for a specific room, access the *Advanced* screen and select "**ALARM CLOCK**".
2. Select "**Set Alarm**".
3. Select the source by touching "**Source**" to scroll through the available sources
4. Set the time & adjust the volume and touch **SET**.

When the selected time is reached, the room will turn on to the selected source and the volume will ramp up to the set volume.

- To clear an Alarm for a specific room, select "**Clear Alarm**" from the *Alarm Clock* screen.
- To clear all Alarms for all rooms, select "**Clear All Alarms**" from the *Alarm Clock* screen.

Locking/Unlocking Keypads

RM01	RM02
RM03	RM04
RM05	RM06
RM05	RM06
RM 1-8	MORE>>
<<BACK	SAVE

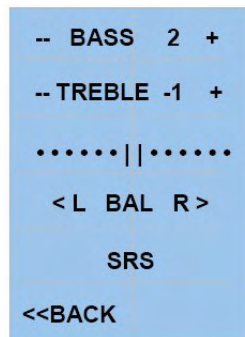
FIG. 6 Keypad Lock Options

When a keypad is locked, touching the screen or buttons will have no effect until the keypad is unlocked.

1. To lock a keypad, select "**LOCK KEYPADS**" from the *Advanced* screen and select "**LOCK/UNLOCK**".
2. Select the room to be locked/unlocked and touch **SAVE** or **MORE**.

To unlock all keypads, select "**UNLOCK ALL**" from the *Lock Keypads* screen.

Tone Control Settings (Bass/Treble/Balance/SRS)



Tone Control Screen

FIG. 7 Tone Control Settings



NOTE

SRS/WOW is a registered trademark of SRS labs, Inc.

Bass/Treble/Speaker Balance & SRS[®] can be adjusted for each room by accessing the *Advanced* screen and selecting "**TONE CONTROL**".



NOTE

SRS is supported only on Mi Series Audio Controllers.

- To adjust Bass touch **BASS** "+" or "-".
- To adjust Treble touch **TREBLE** "+" or "-".
- To adjust Speaker Balance touch **BAL** "<L>" or "<R>".
- To add/change an SRS option, touch **SRS** and select one of the following options:
 - **BASS BOOST**
 - **3D**
 - **WOW**
 - **FOCUS**
- To remove or turn SRS off select "**SRS OFF**" from the *SRS* screen.

Backlight Settings

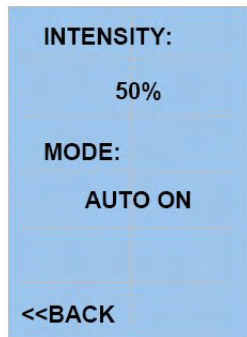


FIG. 8 Backlight Settings

The Intensity and Mode can be adjusted for the LCD keypad by accessing the *Advanced* screen and selecting "**BACKLIGHT**".

- To adjust Intensity, touch the % to increase/decrease the brightness of the screen (range = 5% - 95%).
- To adjust the Mode, touch the text to scroll through the following options:
 - **ALWAYS ON**
 - **ALWAYS OFF**
 - **AUTO ON** (*backlight turns off after 30 seconds*)

Privacy Mode

To access Privacy mode:

1. Select **MORE>>** in the Setup Main screen (FIG. 9).

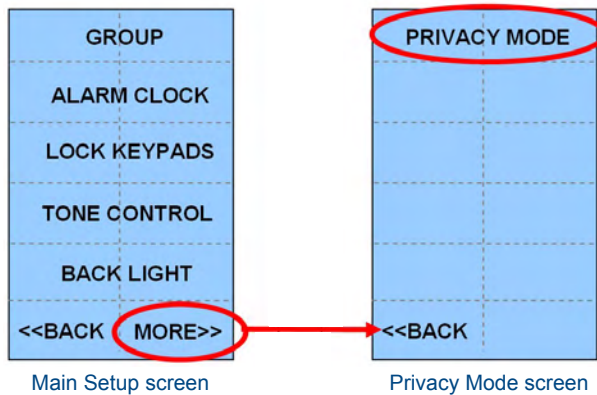


FIG. 9 Privacy Mode screen

2. Select **PRIVACY MODE** to display the **Privacy Mode-More** screen (FIG. 10).

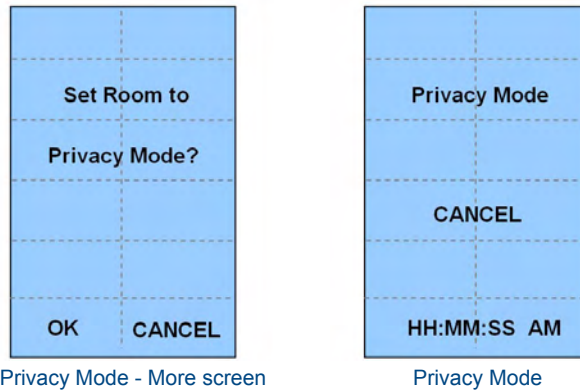


FIG. 10 Privacy Mode - More screen / Privacy Mode



NOTE

<<**BACK** will return you to the **Setup-Main** screen (FIG. 3).

3. Selecting **OK** on the **Privacy Mode-More** screen will set the room to Privacy Mode: no pages will be heard in this room
4. Select **CANCEL** to return to the Main Screen where you can select a Source.



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