

LyncTouch is a combination touch-screen and keypad controller that can be installed before or after you have the rest of your system set up and controllable via the HTD Lync app.

**Getting started with LyncTouch when you are already controlling the system via the HTD Lync app:**

1. Power off all zones. This is most easily accomplished from a single button on the app.
2. Power off the amplifier(s). If your system was installed using the recommended Trigger feature, step 1. should also put your multi-channel amplifier(s) into stand-by mode. If instead, your amplifier(s) is set to always be powered on, then you will need to power off each amplifier using the button on the front. It is not necessary to press the power button on the front of the amplifier if it is already in stand-by mode.
3. Power off your central Lync controller (model Lync 6 or Lync 12) using the power button on the front.
4. Install each LyncTouch following the directions below on page 2.
5. After all LyncTouch have been installed, power on the Lync controller by pressing the button on the front. It is at this point that the Lync controller searches for connected devices. Devices are only recognized by the system when the Lync controller is first powered on. If your amplifier(s) was left powered on and in stand-by mode that is all you need to do. If the power button on the front of your amplifier was previously turned off (out position), then press it back in.

**Using LyncTouch with a Lync system that is being set up for the first time:**

1. Follow the instructions provided with your system to connect cables between the central Lync controller and amplifier(s) and between the amplifier(s) and your speakers.
2. Make sure the amplifier(s) and Lync Controller are powered off using the button on the front. It is not necessary to press the power button on the front of the amplifier if it is already in stand-by mode.
3. Install each LyncTouch following the directions below on page 2.
4. After all LyncTouch have been installed, power on the Lync controller by pressing the button on the front. It is at this point that the Lync controller searches for connected devices. Devices are only recognized by the system when the Lync controller is first powered on. Similarly press the button on the front of each amplifier to turn it on.

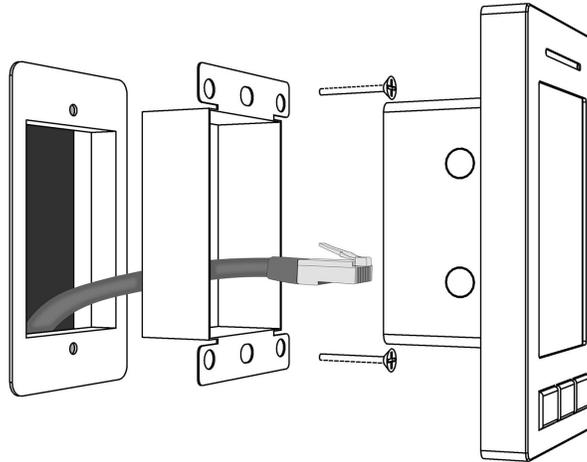
**Overview of how to install a LyncTouch:**

We have made installing LyncTouch super easy with our patent-pending design. The enclosure on the backside of the LyncTouch has been matched in size to a custom-made metal ring that you install into a flat surface, typically a wall. Once installed, you simply plug the Cat 5 or Cat 6 cable (already terminated with an RJ45 connector) into either of the RJ45 ports on the back of the LyncTouch and push the LyncTouch in until it is flush with the wall. Strong, neodymium magnets mounted to either side of the LyncTouch enclosure adhere to the metal ring and keep it in place.

## Installing and Connecting

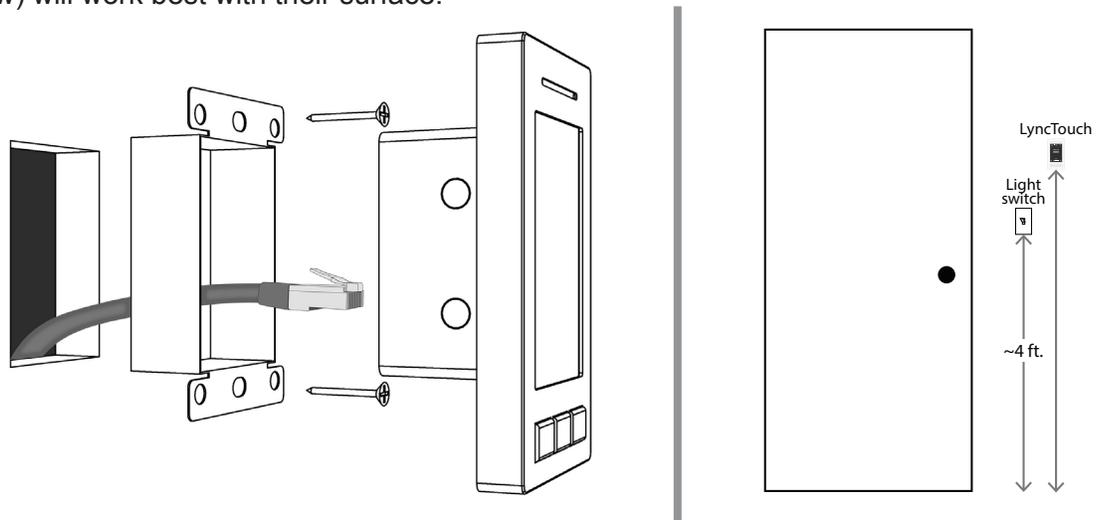
### Mounting into a wall using a low-voltage mounting bracket or junction box

When installing into a wall, we recommend using an OPEN BACK Junction Box or Low-Voltage Mounting Ring. It is important that the LyncTouch be able to slide easily into the available space. This means keeping the space clear of debris and unnecessary cables and connectors. The cable(s) that connects to the back of the LyncTouch needs to be able to move freely in and out of the space. If your junction box or mounting bracket includes a back that is inhibiting the free movement of your cable(s), we recommend using a rotary (or similar) tool to cut out or widen the opening through which the cable moves. Keep in mind that most building codes only require a closed back junction box for low voltage items such as LyncTouch when they are installed into a wall where the adjoining space is not conditioned, such as an attic or exterior wall.



### Mounting into a Surface without a Junction Box or Low-Voltage Mounting Ring

LyncTouch can also be mounted directly into a flat surface without the need for a junction box or low-voltage mounting ring. This method is not recommended for dry-wall, but works well with hard surfaces like wood. For this type of installation, HTD relies on the customer to determine what type of fastener (e.g. wood screw) will work best with their surface.

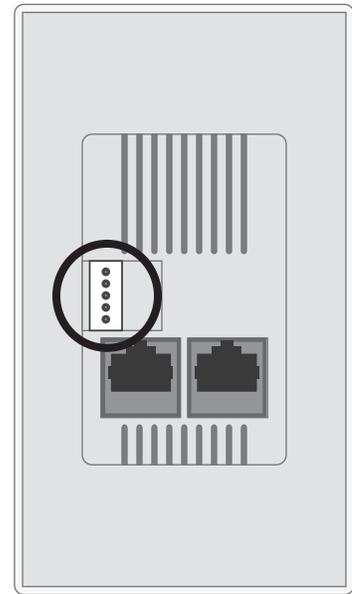
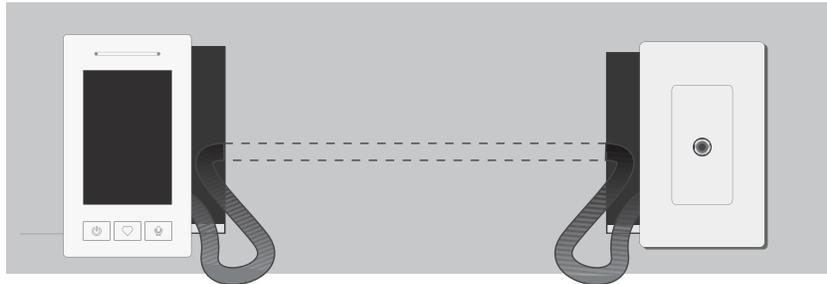


### Recommended Mounting Height

Unlike a light switch which is often positioned about four feet from the floor, LyncTouch is best mounted slightly below eye level. This places LyncTouch in the most ergonomic position for the touch-screen display. Whenever possible, avoid placing LyncTouch within the same stud space as electrical cables operating at high voltage in order to mitigate the potential of adding electrical noise into your system.

### Connecting a Standard Input Panel

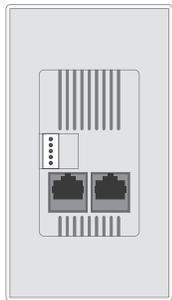
A Standard Input Panel (SIP) offers an easy and economical connection point for attaching an audio source component within the same room as the LyncTouch. That source can then be made available to every zone. The SIP connects to the back of a LyncTouch using 5 of the 8 conductors found in a Cat cable and a special 5-pin adapter included with the SIP. That adapter plugs into the white connector shown in the image at right. A SIP can be installed directly next to the LyncTouch or up to 80 feet away.



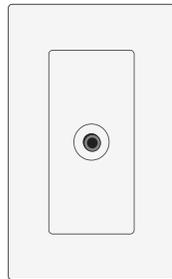
LyncTouch (Back)

### Connecting an Analog Input Panel (AIP), Digital Input Panel (DIP) or Bluetooth Input Panel (BIP)

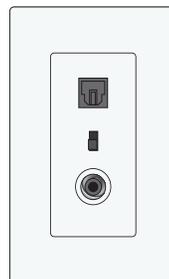
These three active devices can be connected directly to the central Lync controller or to the back of a LyncTouch using the available RJ45 port. When this is done, be sure to insert an RJ45 termination plug included with every LyncTouch, AIP, DIP, and BIP into any open port to ensure proper operation.



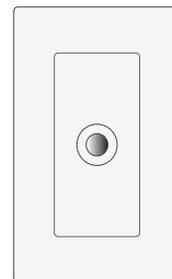
LyncTouch (Back)



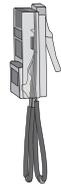
Analog Input Panel (AIP)



Digital Input Panel (DIP)



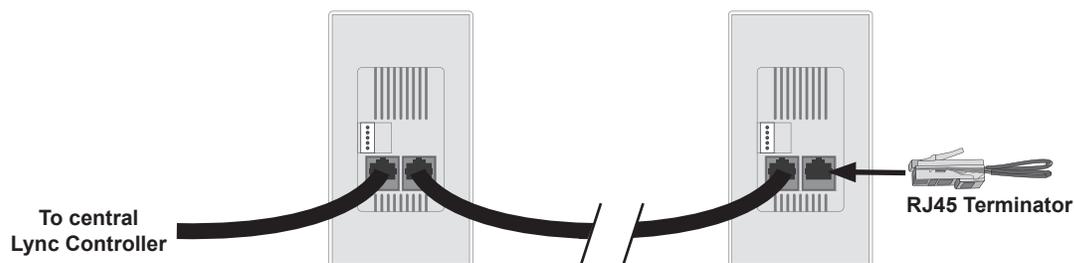
Bluetooth Input Panel (BIP)



RJ45 Terminator

### Connecting a second LyncTouch within the same zone

In larger rooms, it is often convenient to install more than one LyncTouch. Similar to adding an AIP, DIP, or BIP (see above), a second LyncTouch can be connected to the open port on the first LyncTouch or back at the central Lync controller with a special “Y” adapter (call for more info). When this is done, be sure to insert an RJ45 termination plug included with every LyncTouch, AIP, DIP, and BIP into any open port to ensure proper operation. Also to ensure proper operation, the “address” of the first and second LyncTouch need to be unique. See “Address” on page 5 for more information.



## Key Features of the LyncTouch User Interface

LyncTouch is primarily used to control the zone to which it is connected. A handful of simple commands can also be applied across all zones at once, including power all off and party mode.

The user interface consists of:

- a 3.5" diagonal color touchscreen display
- 3 tactile buttons:
  - Power Button
  - Quick Key (Favorite) Button
  - Talk Button
- 2 microphones (only active while the Talk Button is pressed)



### Power Button

 As its name implies, the Power Button is primarily used to turn a zone on and off, but it can also be used to quickly mute the volume within the zone and power off all zones.

**Power On** – when a zone is OFF, a quick press of the Power Button will turn it ON

**Mute** – when a zone is ON, a quick press of the Power Button will mute the volume in the zone. Press the Power Button again to un-mute.

**Power Off** – when a zone is ON, it can be powered OFF by pressing the Power Button for approximately 1 second. Once turned off, LyncTouch will display “OFF”. Release the Power Button.

**Power Off All Zones** – when a zone is ON, press and hold the Power Button for approximately 3 seconds. The display will first display “OFF” followed by “ALL ZONES OFF”. Release the Power Button.

### Quick Key

 The Quick Key is a button you can customize to allow a single button press to turn on the zone and then activate up to two separate ACTIONS. The most common use of the Quick Key is to turn on a zone and set it to your favorite source [ACTION 1] at your favorite volume [ACTION 2]. Alternative actions include Power Off, All Zones Off, DND (Do Not Disturb) On, and DND Off.

### Talk Button

 Press and hold the talk button to talk into any single zone OR all zones that are currently powered on. Read more under the heading: **Using the Intercom**.

**DND** – Do Not Disturb. When selected, global commands such as ALL OFF, Intercom ALL, and Party Mode will be ignored.

**Intercom** – Touch this area to select a zone in which to intercom. Read more under the heading, “Using the Intercom”

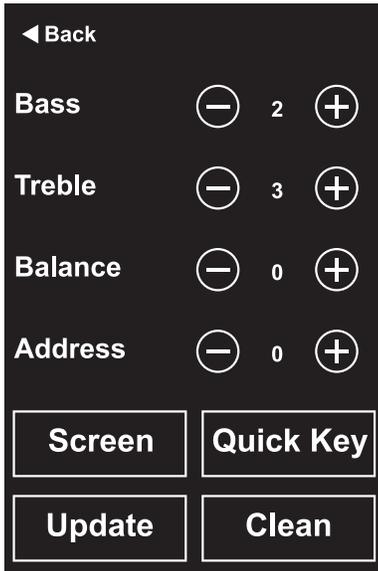
**Party** – Party Mode. When selected, all zones not currently in DND will be powered on and set to the source currently selected for this zone. Prior to executing this command, a message will first appear requiring confirmation of this action.

**Source Name/Change Source** – Touch this area to select a source from a list of all available sources.

**Volume Bar** – Control volume dynamically by sliding your finger along the slider bar or by pressing and holding the volume up or volume down icons. Incrementally adjust volume by tapping on the volume up or volume down icons.

## Custom Settings

\*\*\*To enter setup mode, press and hold the Quick Key Button for approximately 3 seconds.\*\*\*



Main Settings Screen

**Bass** – press the “minus” and “plus” buttons to decrease/increase the amount of bass in the zone. This adjustment can also be made within the HTD Lync app. The default and most common setting is “0”.

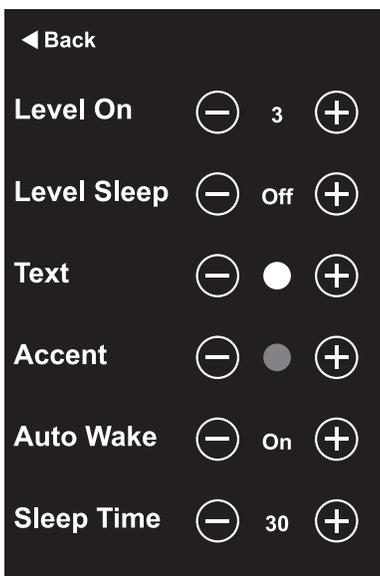
**Treble** – press the “minus” and “plus” buttons to decrease/increase the amount of treble in the zone. This adjustment can also be made within the HTD Lync app. The default and most common setting is “0”.

**Balance** – press the “minus” and “plus” buttons to transfer the relative volume level between Left (minus) and Right (plus). This adjustment can also be made within the HTD Lync app. The default and most common setting is “0”. Balance is only adjusted in rare circumstances where a room has an odd shape and/or speakers are not evenly located.

**Address** – To ensure proper operation, every active device (LyncTouch, AIP, DIP, BIP) installed within the same zone needs to be assigned a unique Address (sometimes called ID). LyncTouch should remain at the default of “0” unless a second LyncTouch is installed. The second LyncTouch should be assigned to an address of 1, 2, 3, or 4 just as long as it does not match the address used by an AIP, DIP, or BIP (which similarly are assigned an address of 1, 2, 3, or 4) that is installed within the same zone.

### Screen

Customize how the display behaves when active and in stand-by



Screen Settings

**Level on** – The brightness level on a scale of 1 to 5 (brightest) of the touchscreen display when the LyncTouch is being used. The default and most common setting is “3”.

**Level sleep** – The brightness level on a scale of 1 to 5 (brightest) or completely “Off” when the zone is turned on but the LyncTouch is not actively being used. The default and most common setting is “Off”.

**Text** – The color of text that can be changed. Note that some text is always white or gray and will not change based on this setting. The default text color is white.

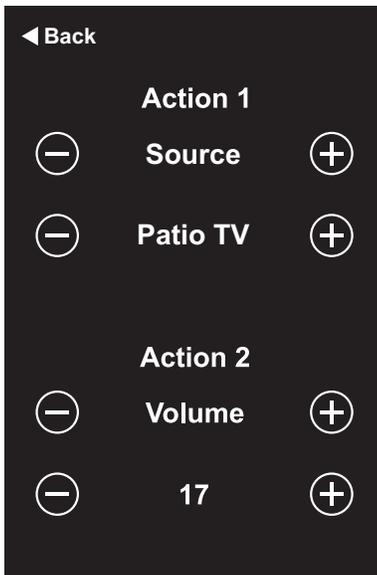
**Accent** – The accent color displayed throughout screen pages. The default accent color is blue.

**Auto Wake** – When set to “Off” (default), the LyncTouch display will not light up (wake up) when changes to the zone are made by the HTD Lync app or another LyncTouch installed within the same zone. When set to “On”, the display will wake up with any adjustments made to the zone.

**Sleep Time** – Determines the number of seconds the screen will stay at the “Level On” brightness level after no interaction with the LyncTouch before returning to the “Level Sleep” setting. Available in 5 second increments between 5 and 60. 15 is the default.

## Quick Key

Customize the favorite (heart) button. Actions assigned here will be executed with a single press of the Quick Key button.



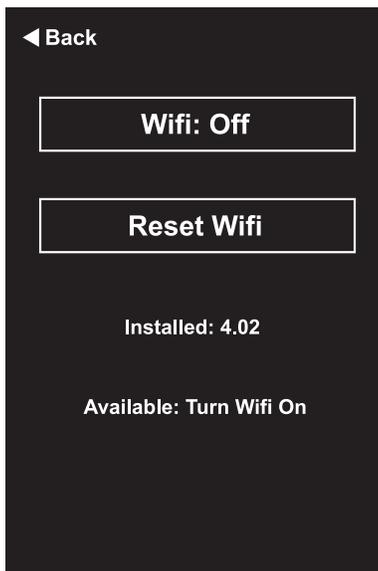
Quick Key Settings

**Action 1** – press the first pair of “minus” and “plus” buttons to toggle between your options for the first action. When “Source” is selected, use the second pair of “minus” and “plus” buttons to select from your available sources; when “Volume” is selected, use the second pair of “minus” and “plus” buttons to set a volume level between 1 and 60 (max).

**Action 2** – As long as an action other than “None” has been assigned to Action 1, Action 2 will also be executed when pressing the Quick Key. The same options found in Action 1 are available for Action 2.

## Update

Occasionally, HTD may elect to provide an update to the firmware on the LyncTouch. Use this screen to temporarily connect to your own private WiFi network with internet access in order to check for the availability of new firmware and to update the firmware when available. The LyncTouch will only maintain connection to your WiFi network when you turn WiFi on and continue to stay on this screen. Once you exit this screen, the LyncTouch will automatically disconnect from your network.



Update Settings

## Updating the Firmware

**Step 1.** Press “Wifi: Off” to turn on the WiFi chip embedded in LyncTouch. The screen will display “WiFi: Started . . .”. If you have previously connected the LyncTouch to your WiFi network, then “Wifi: Connected” should appear and you can skip to Step 4. If your LyncTouch has never been connected to your WiFi network or it does not detect the network to which it was previously attached, it will display “WiFi: AP Mode”. When you see this, proceed to Step 2.

**Step 2.** AP Mode. In this mode, LyncTouch is broadcasting its own WiFi network and is ready to be connected to your existing private network. Open a mobile device near the LyncTouch and look for a WiFi network called “LyncTouch-X” where “X” represents the zone number in which the LyncTouch is attached. Connect to that network. A page should automatically appear on your mobile device titled, “LyncTouch WiFi Setup Wizard”. [note: if this page does not automatically appear, type 192.168.4.1 into the address bar of your browser]

**Step 3.** Press SCAN and select your private network. Enter and save the password for this network. At this point, LyncTouch will display “WiFi: Starting . . .” and your mobile device will be disconnected from the LyncTouch-X network. If successful, the display will change to “WiFi: Connected” and you can proceed to

Step 4. If the LyncTouch returns to “WiFi: AP Mode”, then the LyncTouch did not successfully attach to your network. Return to Step 2 and try again, paying close attention to the password entered.

**Step 4.** Once the LyncTouch is connected to your private WiFi network, it will search the HTD secure cloud to check for the most current firmware. If your LyncTouch firmware matches the current firmware, the screen will display “Keypad at Latest Version” and you can press the back button to return to the setup screen. At this point, the LyncTouch WiFi chip will turn off and you are done. If instead you see the message “Update Firmware” in red, proceed to Step 5.

**Step 5.** If a newer version is available than is currently installed on the LyncTouch, press “Update Firmware” to start the process of updating the firmware from our secure cloud. This process typically takes a minute or two but can take up to 10 minutes depending on the strength of your WiFi signal and your internet connection speed. Once updated, the LyncTouch will automatically turn off its WiFi chip and restart to complete the firmware update process. A message will display telling you to power cycle the central Lync controller. At this point, it is recommended that you move to the next LyncTouch so that you only need to power cycle the central Lync controller one time after all have been updated.

### Clean

Press to temporarily disable touch on the display, allowing 30 seconds to clean the screen using a micro-fiber cloth (we include one for free with every order).

## Using the Intercom

**Step 1.** To initiate an intercom call, touch the intercom icon at the top of the screen. A list of available zones will appear.

**Step 2.** Select the zone in which you want to intercom. If that zone is currently powered off or in DND mode, you will be asked if you would like to turn the zone on or override DND.

**Step 3.** Press and hold the Talk button while you speak into the zone. Any source currently playing in your zone as well as the receiving zone will be muted while the Talk button is depressed. Your voice will be heard over the speakers located in that zone, but not in your own.

**Step 4.** The screen on the LyncTouch located in the receiving zone will display the zone from which the intercom call was initiated. Press and hold the Talk button in that zone to talk back to the initiating zone.

It is possible to start an intercom call into “All Zones”. When this option is selected, only zones currently powered on and not in DND mode will hear the call. The first zone to answer the call will at that point be placed in a one-to-one intercom call with the initiating zone.

Note that the only way to listen to another zone is while the Talk button is depressed from within that zone. In this way, it is not possible to eaves drop on a zone.

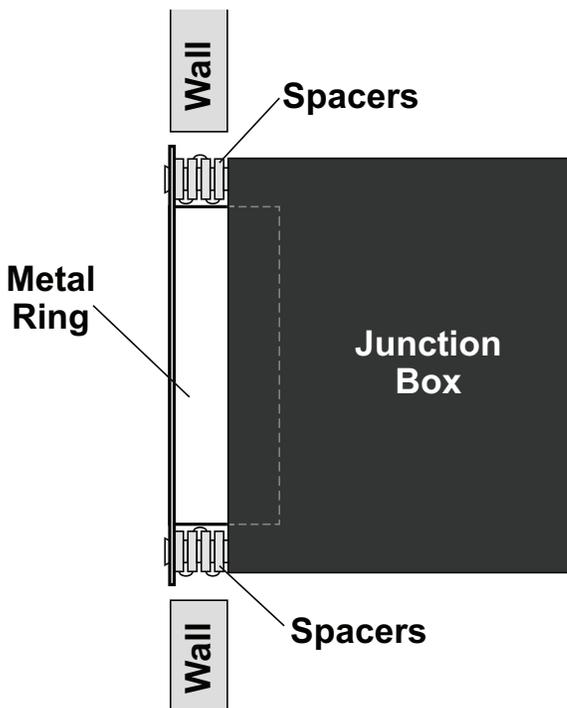
**Intercom with Front/Back Door** - Applies only if you have the Door Interface module (DI-21) and a Door Station at the Front and/or Back Door.

When a visitor presses the doorbell button, all zones will hear the door sound file for that door station. Note that Lync V3 controllers can be customized using the HTD Lync app to only ring into specific zones, leaving other zones undisturbed. The first zone to answer the ring by pressing the Talk button will be placed in one-to-one communication with the door station. Releasing the Talk button allows you to hear what is occurring at the door, i.e. the visitor cannot press anything to talk into the house. Press "End Call" to end communication with the door.

Front Door and Back Door are also displayed as an option in the list of available zones. You can initiate a call to either the front door or back door by simply selecting it from the list. Similarly, you can monitor what is occurring at the door by selecting it and then pressing the Talk button for approximately one second and releasing.

### Customize zone and source names with the HTD Lync app

Zone names will default to Zone 1, Zone 2, etc. and Source names will default to Source 1, Source 2, etc., but can easily be changed to match your zones and sources using the free HTD Lync app which is available for iOS and Android. Edit the fields for KEYPAD ZONE NAME and KEYPAD SOURCE NAME to customize what appears (max 10 characters) on LyncTouch.



#### Twist-apart spacers

On the rare occasion that you are installing into an existing junction box where the hole was cut with an opening taller than the height of our custom metal bracket, you can use these bright green "spacers" to ensure that the metal bracket is secure and flush with the wall (or slightly recessed into the wall). Install 1 to 4 of these spacers as needed for both the top and bottom screws to fill the space between the metal bracket and the wall surface.

**For LyncTouch to install properly, the metal bracket can be recessed up to 1/4 inch behind the surface of the drywall and should never protrude beyond the surface of the wall.** The spacer strip can be twisted apart where needed and folded and snapped together in a similar fashion as Legos. Visit this webpage for more details: <https://www.gardnerbender.com/en/p/GSP-24/Spacers-Twist-apart-4-inch>

**HTD**

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