



# DigiLinX™ Application Note

## TLA250 Installation Guide - Wiring & Power Requirements

The TLA250 requires standard DigiLinX wiring, 16/4 wiring for power from the appropriate *NetStreams* power supply (sold separately). Power requirements for the system can be determined using the *NetPower Calculator* which is available from the *NetStreams* website.

Additionally, the TLA250 requires a CAT-5/6 wire that goes back to the *NetStreams* SwitchLinX network switch.

The TLA250 provides 2-channels of audio and speaker wire should be run from the TLA250 to the speakers.

### BEST PRACTICE

As a best practice when wiring the installation the 16/4 conductors and the CAT5/6 should be looped at the control location (where the TLA250 will be inserted) and then take up to the speakers. This allows for the zone instead of the TLA250.

### Mounting

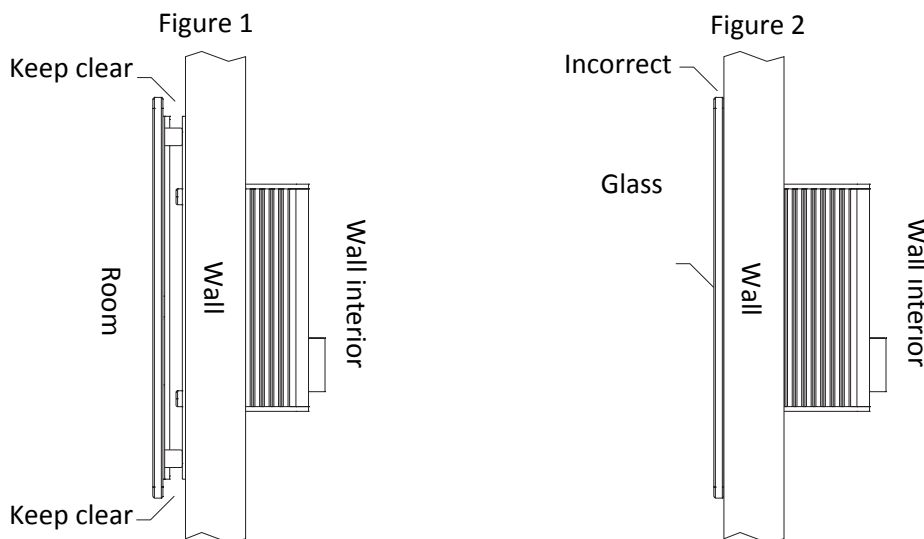
#### WARNING!!

It is very important to mount the TLA250 appropriately as this product contains a 100W amplifier and must vent as designed to prevent over heating or damage to the product.

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The TouchLinX TLA250 fits in a standard US 2-gang mud ring or 2-gang back box.

The TLA250 vents in the front, from the space between the wall and the back plate which the glass mounts to. Figure 1 below shows the space. Do NOT push the product into the wall and cover this space, doing so will block the venting for the product can cause overheating and may cause the product to fail. Figure 2 shows the product incorrectly pushed too far into the wall.



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## Replacing the customization insert

PLEASE NOTE – AFTER REPLACING THE INSERT THE UNIT MUST BE POWER CYCLED OR REBOOTED TO RECALIBRATE THE BUTTONS. FAILURE TO POWER CYCLE OR REBOOT THE UNIT MAY RESULT IN THE BUTTONS NOT WORKING.

1. If the unit is un-mounted, hold the back of the unit with one hand. If the unit is in the wall the insert can be replaced WITHOUT removing the unit.
2. Hold the glass with the other hand and pull gently on one side of the unit first. It is easier to pull the magnets from one side, then the other, than to try and pull all 4 corners at the same time.
3. Once the glass is off, put the amplifier portion down.
4. Remove the black insert from the 4 magnets.
5. If there is already a paper insert in the unit remove this carefully, starting with one corner then moving around to the next corner. Be careful not to force a corner up or pull from a corner that has already clear the top of the magnet, this could cause the inserts to tear. You may require a small blade or flat instrument to pry the first corner up.
6. The unit comes with a black plastic insert. This insert is required to be installed behind all color or paper layers. All color or custom inserts go over the black insert in order for the product to function properly.
7. Take your customized or colored paper insert and put this onto the bare glass. Putting the magnets through each of the holes in the paper.
8. Take the permanent black insert and put that on top of the paper
9. Now take the assembled glass and inserts and put them back on the amplifier unit, again holding the amplifier unit with one hand. Be sure to check you have the orientation correct before reconnecting the glass and amplifier unit.