

PROFICIENT™
Audio Systems
OWNER'S MANUAL

F400gb / F400blk

Dual 4" Onwall LCR Speaker

F400 CONTENTS

Each F400 package contains the following:

- One F400 speaker for left, center, or right placement
- Mounting Bracket Hardware for vertical or horizontal wall mounting
- Owner's Manual
- Mounting Template

INSTALLATION QUICK START

The following is the recommended installation procedure:

1. Run the speaker cables (not included), preferably 14-gauge (or larger) high-quality unshielded stranded wire. Use bare wires on the speaker end, or terminate the cables with spades (banana plugs may protrude too far from the back of the speaker).
2. Attach the speaker wires to the F400 input connectors (refer to **Rear Panel** section).
3. Mount the F400 speakers (refer to **Placement** and **Mounting Procedure** sections).

PLACEMENT

Mount one each of the F400 LCR Onwall Speakers vertically on the left and right sides of a flat-panel display for stereo operation. One F400 may be mounted horizontally above or below the display as a center channel for LCR (left-center-right) cinema performance.

NOTE: The F400 speaker drivers are not magnetically shielded, therefore close proximity to a CRT display will cause interference.

Left/Right Placement.

It is recommended that vertically mounted speakers be centered with the left/right sides of the display. Alternately, alignment with the bottom of the display may be desirable when the display is placed significantly above listening level. See **DIAGRAM 1**.

DIAGRAM 1



F400 Speakers centered with left/right sides



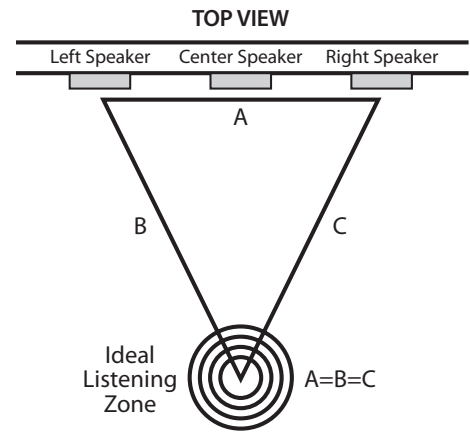
F400 Speakers aligned with bottom of display

Mount the F400 so that the side of the speaker closest to the display does not come into contact with the display (2- to 3-inches is a good working distance). Optimal distance from the side of the display will depend on the predicted listening position. Distance between the left and right speakers should as closely equal the distance from one speaker to the listener as possible. See **DIAGRAM 2**.

Center Channel Placement

Center the center channel horizontal speaker with the top or bottom width of the display. The center channel speaker may be mounted either above or below the display, depending on the placement of the display itself. The speaker placement is closest to the level of the listener’s ears is the recommended choice.

DIAGRAM 2



MOUNTING PROCEDURE

Follow the mounting procedure below. Use **DIAGRAM 3** for visual reference.

1. Place the included Mounting Template on the wall in the exact speaker mounting position. Make sure that the template is right-side-up (i.e., text is readable), using either the vertical (left/right speaker) or horizontal (center speaker) Mounting Template.
2. Using a nail or an awl, mark the wall by piercing through the Mounting Template at the designated mounting points.
3. Attach the mounting bracket to the wall at the marked mounting points with the keyhole slots pointing down. Screws or bolts for this purpose are not included. Use an appropriate method for attaching the bracket either to a drywall cavity or stud.
4. Connect the speaker wires to the F400 rear panel connectors.
5. Attach and secure the F400 speaker to the mounting bracket, using the included bracket bolts. Slide the speaker to the down to lock the speaker into position.

DIAGRAM 3
Installing Mounting
Bracket and Speaker



SPEAKER FRONT

The F400 speaker components are configured symmetrically, achieving wide dispersion on both the horizontal and vertical planes. The low-frequency bass reflex design incorporates large radius port flares for lower turbulence, allowing closer proximity of the listener to the speaker.

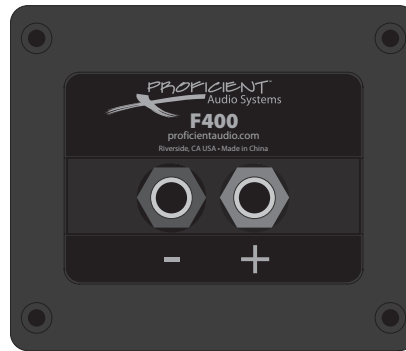
The 1" pivoting tweeters can be positioned for optimal directivity. Low- and high-frequency contour switches allow ±3dB fine tuning of individual speaker frequency response. See sections, **Pivoting Tweeter Adjustment** and **Contour Switch Settings**, respectively, for more information.

REAR PANEL

The rear panel contains the F400 Speaker Terminals. Speaker wire should be connected prior to securing the F400 Speaker to the mounting bracket. Before proceeding, make sure that power to the audio amplifier is switched OFF.

Connect the speaker wires to the respective output of the audio amplifier (left output to left speaker, etc.). Connect the opposite end of the speaker wires to the rear panel Speaker Terminals, matching the polarity of the amplifier output to the speaker input, + to + (red) and - to - (black). **DIAGRAM 4** shows the F400 rear panel connector panel.

DIAGRAM 4
Rear Panel Speaker Terminals



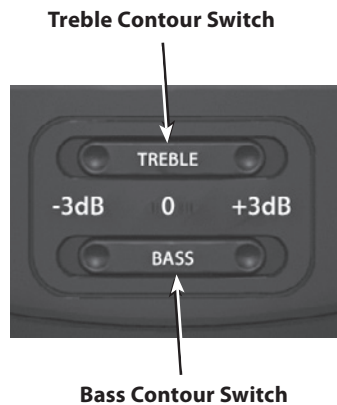
CONTOUR SWITCH SETTINGS

The F400 front panel Contour Switches provide subtle frequency adjustment control, allowing a boost or cut of the treble and bass response by $\pm 3\text{dB}$. Determine through listening or test procedures if the F400 speakers require this adjustment.

To adjust the Contour Switches:

1. Carefully remove the F400 grille cover.
2. Using the Contour Switches shown in **DIAGRAM 5**, make the following adjustments for the desired result:
 - **Add bass:** Move the bass switch to the +3 position.
 - **Lower bass:** Move the bass switch to the -3 position.
 - **Add treble:** Move the treble switch to the +3 position.
 - **Lower treble:** Move the treble switch to the -3 position.

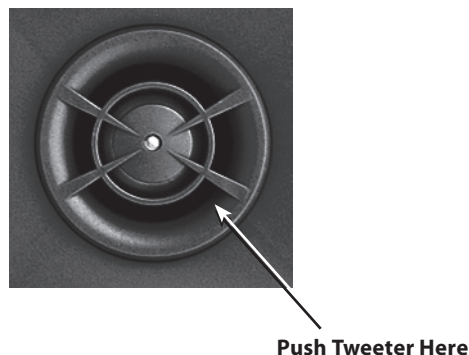
DIAGRAM 5
Contour Switches



PIVOTING TWEETER ADJUSTMENT

The pivoting tweeter can be pointed toward the listening position for optimal directivity. If you have mounted the F400 Speaker off-axis from the listener's ear level, you may gently move the tweeter position to compensate for the loss of directivity. Follow the instructions in **DIAGRAM 6**, below.

DIAGRAM 6
Tweeter Adjustment



SPEAKER SPECIFICATIONS

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Speaker Type:	2-Way Onwall LCR Speaker
Woofers:	Dual 4" Injection Molded Polypropylene Cones
Tweeter:	1" Pivoting Aluminum Dome Tweeter
Contour Switches:	±3dB Bass & Treble
Power Handling:	100 Watts
Frequency Response:	62Hz - 20kHz
Impedance:	4Ω
Sensitivity:	86dB 1W/1m
Dimensions (H x W x D):	24" x 7 ½" x 4"

Features and specifications are subject to change without notice.

LIMITED TEN-YEAR WARRANTY

Proficient Audio Systems ("Proficient") warrants to the original retail purchaser only ("you") that this product will be free from defects in materials and workmanship for a period of ten years (the "Warranty Period"), subject to the limitations and exclusions set out in this Limited Warranty. This warranty is not transferable to subsequent owners of the product. If you discover a defect in material or workmanship within the Warranty Period, you can obtain warranty service by contacting Proficient during the Warranty Period at 877.888.9004 or techsupport@proficientaudio.com or by sending the product to Proficient at 940 Columbia Avenue, Riverside, CA 92507 or to the dealer from whom you purchased the product. Defective products must be shipped, prepaid and insured, together with proof of purchase. Warranty service requests made without proof of date of purchase will be denied. Freight collect shipments will be refused. It is preferable to ship this product in the original shipping container to lessen the chance of transit damage. In any case, the risk of loss or damage in transit is to be borne by the purchaser.

If, upon examination by Proficient or its authorized dealer, it is determined that the unit is in fact defective, Proficient will, at its option:

- Repair or replace the product at no additional charge; or
- If the model is no longer available and can not be repaired effectively, replace the unit with a current model of equal or greater value. In some cases where a new model is substituted, a modification to the mounting surface may be required. If mounting surface modification is required, Proficient assumes no responsibility or liability for such modification.

Proficient will bear the cost of returning the repaired or replaced product to you, freight prepaid. All replaced parts and product become the property of Proficient Audio Systems. The foregoing is your **sole and exclusive** remedy for breach of warranty. If the product is not found to be defective, Proficient will contact you to arrange for return of the product to you, at your expense.

For technical inquiries please call 877.888.9004 or email us at techsupport@proficientaudio.com. We are available to assist you every weekday, except holidays, between the hours of 7:00 a.m. and 5:00 p.m. PST.

EXCLUSIONS:

- This Warranty does not include service or parts to repair damage caused by accident, disaster, misuse, abuse, negligence, inadequate packing or shipping procedures, commercial use, voltage inputs in excess of the rated maximum of the unit, or service, repair or modification of the product by unauthorized dealers. This Warranty also excludes normal cosmetic deterioration caused by environmental conditions.
- This Warranty will be void if:
 - the Serial Number on the product has been removed, tampered with or defaced.
 - the product was not purchased from an authorized dealer.

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940 Columbia Avenue, Riverside, CA 92507
877.888.9004 • Fax 951.750.6304 • proficientaudio.com



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