



OWNER'S MANUAL

F400slvr / F400blk

Dual 4" LCR Onwall Speaker

THE F400 CONTENTS

Each F400 package contains the following:

- One (1) F400 speaker for left, center, or right placement
- Mounting bracket hardware for vertical or horizontal wall mounting
- Installation Guide and 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 On-Wall Cinema 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 speaker 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.

MOUNTING PROCEDURE

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

1. Attach the mounting bracket to the wall, either horizontally or vertically. Screws or bolts for this purpose are not included. Use an appropriate method for attaching the bracket either to a drywall cavity or stud.
2. Connect the speaker wires to the F400 rear panel connectors.
3. Attach and secure the F400 speaker to the mounting bracket, using the included bracket bolts.

DIAGRAM 2

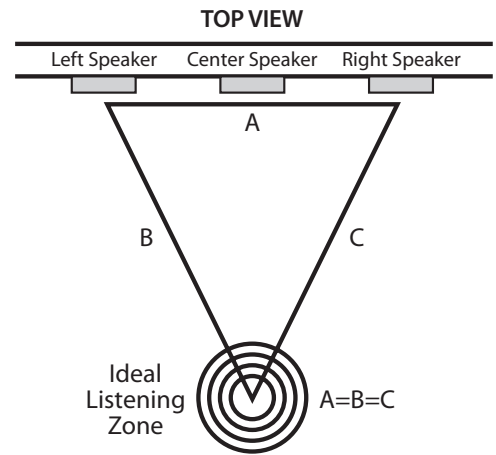


DIAGRAM 3
Installing Mounting
Bracket and Speaker



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.

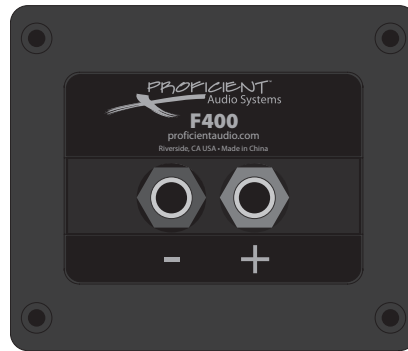
The 1" pivoting tweeters can be positioned for optimal directivity. Low- and high-frequency contour switches allow ±3dB fine tuning of individual speaker frequency response. See sections, Pivoting Tweeter Adjustment and Contour Switch Settings, respectively, for more information.

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 grill 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.

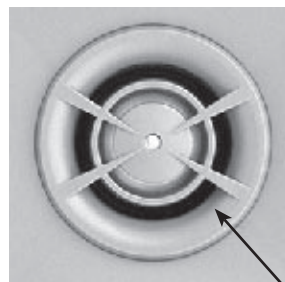
DIAGRAM 5
Contour Switches



PIVOTING TWEETER ADJUSTMENT

The pivoting tweeters can be pointed toward the listening position for optimal directivity. If you have mounted the F400 Speakers 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



Push Tweeter Here

SPEAKER SPECIFICATIONS

F400slvr / F400blk

Speaker Type:	Wall-mounted, low-profile, two-way mono speaker
Woofers:	4" injection polypropylene cone with rubber surround
Tweeter:	1" pivoting tweeter with aluminum dome, PU surround
Impedance:	4Ω nominal
Sensitivity:	86dB (0.5m @ 1V on TWT axis)
Frequency Response:	62 Hz – 20,000 Hz, ±3dB
Power Handling:	100 Watts (music power) EIA RS- 426B / 8 Hrs.
Dimensions (H x W x D):	H 24" x W 7.5" x D 4"
Contour Controls:	±3dB @ 10k Hz (treble); ±3dB @ 100 Hz (bass)

Features and specifications are subject to change without notice.

LIMITED TEN-YEAR WARRANTY

Proficient Audio Systems warrants to the original retail purchaser only that this product will be free from defects in materials and workmanship for a period of ten years, provided the speaker was purchased from a Proficient Audio Systems Authorized Dealer.

Defective products must be shipped, prepaid and insured, together with proof of purchase, to the Proficient Audio Systems Authorized Dealer from whom they were purchased, or to Proficient Audio Systems at the address listed on this installation instruction manual. 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 at the Factory or Proficient Audio Systems Authorized Dealer, it is determined that the unit was defective in materials or workmanship at any time during this warranty period, Proficient Audio Systems or the Proficient Audio Systems Authorized Dealer will, at its option, repair or replace this product at no additional charge, except as set forth below. If this model is no longer available and can not be repaired effectively, Proficient Audio Systems, at its sole option, may 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 Audio Systems assumes no responsibility or liability for such modification. All replaced parts and product become the property of Proficient Audio Systems. Products

replaced or repaired under this Warranty will be returned to the original retail purchaser, within a reasonable time, freight prepaid.

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 which has not been authorized or approved by Proficient Audio Systems. 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.

This Warranty is in lieu of all other expressed warranties. If the product is defective in materials or workmanship as warranted above, the purchaser's sole remedy shall be repair or replacement as provided above. In no event will Proficient Audio Systems be liable for any incidental or consequential damages arising out of the use or inability to use the product, even if Proficient Audio Systems or a Proficient Audio Systems Authorized Dealer has been advised of the possibility of such damages, or for any claim by any other party. Some states do not allow the exclusion or limitation of consequential damages, so the above limitation and exclusion may not apply.

All implied warranties on the product are limited to the duration of this expressed Warranty. Some states do not allow limitation on the length of an implied warranty. If the original retail purchaser resides in such a state, this limitation does not apply.

For technical inquiries please call 800.448.0976 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.



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