

FIG. 2

Input Connection

CAUTION: Use only one input configuration. Using both the RCA and High Level inputs will cause undesirable operation.

RCA Input Connection

1. Connect the RCAs from the source unit into the input jacks at the left side of the RF-BLD.

High Level Input Connection

CAUTION: Ensure to maintain signal polarity when using the high level inputs. Failure to do so may cause undesirable phasing effects.

1. Connect the speaker line outputs from the source unit into the matching connections of the connector for the RF-BLD High Level Input. Strip the wires 1/4" (6.4mm) and insert into the connector terminal. Tighten the set screw to secure into place. Be sure to maintain proper polarity. DO NOT chassis ground any of the leads as unstable operation may result.

NOTE: Carefully follow the diagram in FIG. 3 for proper signal polarity.

Connect from source as follows.

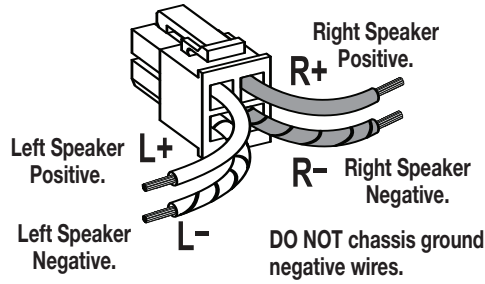


FIG. 3

Power LED

This blue LED will illuminate when all connections are made properly and power is on.

3Sixty RF-BLD Balanced Line Driver

The RF-BLD is a high performance line driver that takes the input voltage of a source unit and increases it up to 22 volts peak (balanced) and then delivers it to your amplifier. Higher voltage keeps noise from getting into the signal path, while maintaining optimum performance. This line driver also accepts high level input's giving you a high performance line level converter.

Balanced or Unbalanced inputs and outputs

The RF-BLD uses balanced differential input circuitry that rejects any noise that radiates into the signal path between the source unit and the RF-BLD. It also can send a balanced signal to your amplifiers that have balanced inputs. If you don't have a balanced signal coming from your source unit you can quickly switch to unbal-

anced, also if your amplifier does not accept balanced inputs you can easily switch your output signal to the unbalanced position.

NOTE: RCAs using common grounds are unbalanced.

Adjusting Gain and Voltage Indicators.

Setting the RF-BLD output voltage can be done easily with the aid of the four LED indicators. These will allow the RF-BLD to match the amp's input voltage.

1. Disconnect speakers and turn amp gains to min.
2. Insert a test tone CD (1kHz @ 0dB) and set the source unit to 7/8 volume.

Unbalanced Mode (FIG. 4)

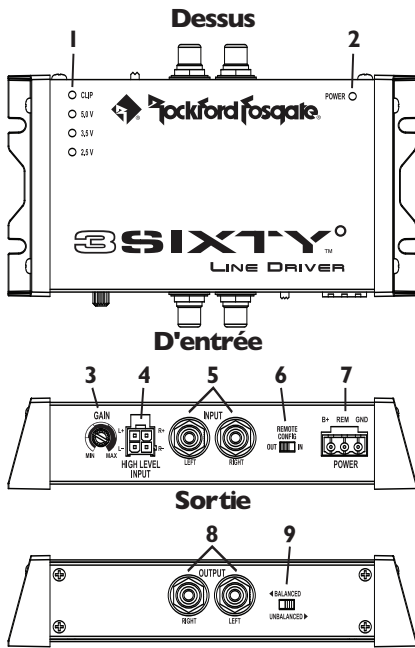
- 3a. Slowly increase RF-BLD GAIN until 5.0V LED illuminates (default level for Rockford Fosgate amps).

Balanced Mode (FIG. 5)

- 3b. Slowly increase RF-BLD GAIN until 2.5V LED illuminates.

NOTE: Increasing the RF-BLD GAIN to the point where the CLIP LED illuminates may cause excessive gain-overlap resulting in undesirable sound.

Français



1. **Voyants de tension** - Aide visuelle pour régler la tension envoyée vers l'entrée de l'amplificateur de puissance en utilisant la commande de gain.
2. **Voyant d'alimentation** - S'allume en bleu lorsque l'appareil est sous tension.
3. **Commande de gain** - Sert à régler la tension envoyée vers l'entrée de l'amplificateur de puissance.
4. **Entrée haut niveau** - Entrée pour les sources utilisant une sortie haut niveau (ligne haut-parleur).

5. **Entrées RCA** - Entrée pour les sources utilisant une sortie RCA.
6. **Config Remote Switch** - Ce commutateur peut être utilisé soit comme une entrée (en tournant on / off de la BLD), ou comme une sortie (utilisé pour activer / désactiver un amplificateur ou d'autres accessoires). Si la source fournit une télécommande-tour, il est recommandé pour le passage à être utilisé comme une entrée (passage dans le "IN" position). En cas d'utilisation de haut niveau que les intrants, le commutateur peut être utilisé comme une sortie (passer en "OUT" position).
7. **Connecteur d'alimentation** - Entrée de la ligne d'alimentation 12V c.c. avec allumage distance.
8. **Sorties RCA** - Sortie vers l'entrée RCA d'un amplificateur de puissance.
9. **Commutateur symétrique/dissymétrique de sortie** - Permet de faire basculer la sortie entre les modes symétrique et dissymétrique en fonction de l'amplificateur de puissance.

INSTALLATION

ATTENTION: Si vous n'êtes pas sûr(e) de pouvoir installer cet appareil vous-même, confiez la tâche à un technicien Rockford Fosgate qualifié.

ATTENTION: Avant l'installation, débranchez le pôle négatif (-) de la batterie pour éviter d'endommager l'appareil et prévenir les risques d'incendie et de dommages corporels.

ATTENTION: Évitez de faire passer les fils d'alimentation près des câbles d'entrée et bas niveau, de l'antenne, des câbles d'alimentation, des faisceaux ou des équipements sensibles. Les fils d'alimentation transportent un courant d'intensité élevée et peuvent induire du bruit dans le système audio.

Branchement de l'alimentation

1. Connectez le fil d'une source 12 volts c.c. constante à la première borne (B+) du connecteur d'alimentation. Serrez la vis d'arrêt pour fixer le fil.

REMARQUE: En cas de connexion directe à la batterie, assurez-vous que le fil est équipé d'un fusible. Consultez les caractéristiques techniques pour connaître le calibre du fusible.

2. Avec un autre fil, connectez un point de masse propre du châssis à la troisième borne (GND) du connecteur d'alimentation. Serrez la vis d'arrêt pour fixer le fil.

REMARQUE: Veillez à ce que le fil de masse (GND) soit aussi court que possible.

3. Insérez le fil de télécommande dans la borne centrale (REM) du connecteur d'alimentation et fixez-le en serrant la vis d'arrêt.

Utilisation comme entrée : Connectez l'autre extrémité du fil de télécommande (REM) à la borne positive d'une source 12 volts commutée. La tension commutée provient généralement du fil de télécommande d'amplificateur de la source audio (FIG. 1).

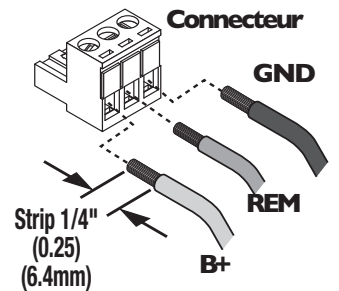


FIG. 1

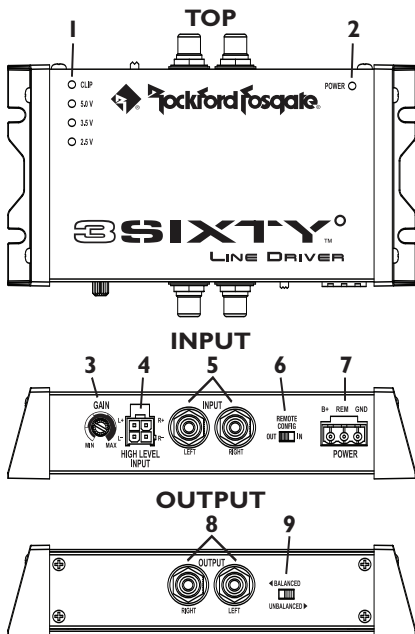
SPECIFICATIONS

Operating Voltage:	9-16 VDC
Idle Current:	300 mA
Frequency Response:	20-50k Hz +/- 1 dB
CMRR (Common Mode Rejection Ratio):	>= 70 dB
Channel Separation:	>= 80 dB
Input Impedance:	20k Ohms
Output Impedance:	55 Ohms
Input Voltage:	650mV to 10.5V RMS
Output Voltage:	11V RMS (unbalanced) 22V RMS (balanced)
Gain:	+0.8 dB to +24 dB
"A" Weighted Signal to Noise Ratio @ 2V:	>= 90 dB
"A" Weighted Signal to Noise Ratio @ 10V:	>= 110 dB
THD+N:	0.01%
Recommended Fuse Rating:	1A
Replacement Power Connector (male):	#1040-51995
Dimensions:	Height - 1.32" (3.35cm) Width - 5.90" (15.0cm) Length - 4.09" (10.38cm)

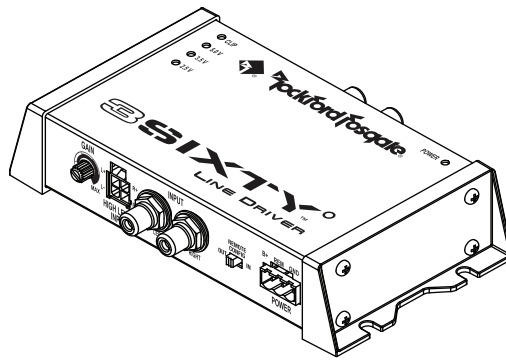
FEATURES

- 2-Channel
- Low Output Impedance
- Selectable Balanced Differential/Single Ended Out
- High-Voltage Line Driver
- Output Level Indicators
- Speaker Level to RCA Line Level Converter
- "Auto-Sense" Turn-On With Remote Voltage Out When Utilizing High Level Inputs
- Superior Low Distortion, Low Noise Operation

LINE DRIVER FEATURES



1. **Voltage Indicators** - Visual aid for the adjusting the input voltage to your amplifier utilizing the Gain adjuster.
2. **Power Indicator** - Lights up Blue when power is on.
3. **Gain Adjuster** - Used for adjusting the input voltage to your amplifier.
4. **High Level Input** - Input from source utilizing High Level (speaker line) connection.
5. **RCA Inputs** - Input from source utilizing RCA line connection.



SIXTY[®]

BALANCED LINE DRIVER

RF-BLD

Rockford Fosgate

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600 South Rockford Drive
Tempe, Arizona 85281 U.S.A.
In U.S.A., (480) 967-3565
Customer Service 1-800-669-9899

www.rockfordfosgate.com

6. **Remote Config Switch** - This switch can be used as either an input (turning on/off the BLD) or as an output (used to turn on/off an amplifier or other accessory). If the source unit provides a remote turn-on, it is recommended for the switch to be used as an input (switch in the IN position). If using high level inputs only, the switch can be used as an output (switch in OUT position).
7. **Power Connection** - +/-12V DC connection with remote turn-on.
8. **RCA Outputs** - Signal output to amplifier(s).
9. **Output Balanced/Unbalanced Switch** - Switches RCA outputs between balanced (balanced differential) and unbalanced (single ended) mode.

INSTALLATION

CAUTION: If you feel unsure about installing this system yourself, have it installed by a qualified Rockford Fosgate technician.

CAUTION: Before installation, disconnect the battery negative (-) terminal to prevent damage to the unit, fire and/or possible injury.

CAUTION: Avoid running power wires near the low level input cables, antenna, power leads, sensitive equipment or harnesses. The power wires carry substantial current and could induce noise into the audio system.

Power Connection

1. Connect a wire from a constant 12 volt DC source to the first (B+) terminal on the power connector. Tighten the set screw to secure the wire in place.

NOTE: If you are connecting directly to the battery, ensure the wire is equipped with a fuse. See specifications for fuse rating.

LIMITED WARRANTY

Warranty 1 Year

This warranty covers only the original purchaser of Rockford product purchased from an Authorized Rockford Fosgate Dealer in the United States. In order to receive service, the purchaser must provide Rockford with a copy of the receipt stating the customer name, dealer name, product purchased and date of purchase.

Products found to be defective during the warranty period will be repaired or replaced (with a product deemed to be equivalent) at Rockford's discretion.

What is Not Covered

1. Damage caused by accident, abuse, improper operations, water, theft, shipping
2. Any cost or expense related to the removal or reinstallation of product
3. Service performed by anyone other than Rockford or an Authorized Rockford Fosgate Service Center
4. Any product which has had the serial number defaced, altered, or removed
5. Subsequent damage to other components

Limit on Implied Warranties

Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. Some states do not allow limitations on the length of an implied warranty, so this limitation may not apply. No person is authorized to assume for Rockford Fosgate any other liability in connection with the sale of the product.

How to Obtain Service

Contact the Authorized Rockford Fosgate Dealer you purchased this product from.

If you need further assistance, call 1-800-669-9899 for Rockford Customer Service.

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2. Connect a wire from a clean chassis ground point to the last (GND) terminal on the power connector. Tighten the set screw to secure the wire in place.

NOTE: Keep the length of the Ground wire (GND) as short as possible.

3. Insert a wire into the middle (REM) terminal on the power connector and tighten the set screw to secure the wire in place.

REM used as an input: Connect the other end of the REM wire to a switched 12 volt positive source. The switched voltage is usually taken from the source unit's remote amp on lead (FIG. 1).

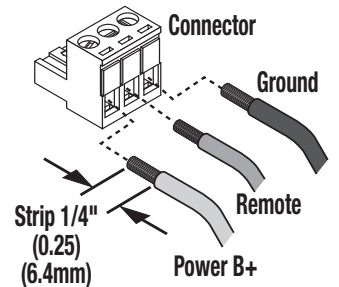


FIG. 1

REM used as an output: This feature only functions if the Line Driver is connected to the source unit using the HIGH LEVEL inputs. Connect the other end of the REM wire to the Remote ON input of an external device, such as an amplifier. We recommend using this feature only if the vehicle source unit does not have a remote output to turn on external devices (FIG. 2).

IMPORTANT: When used, the remote out is current limited. We recommend using a relay if you need to remotely turn on more than two (2) other devices.