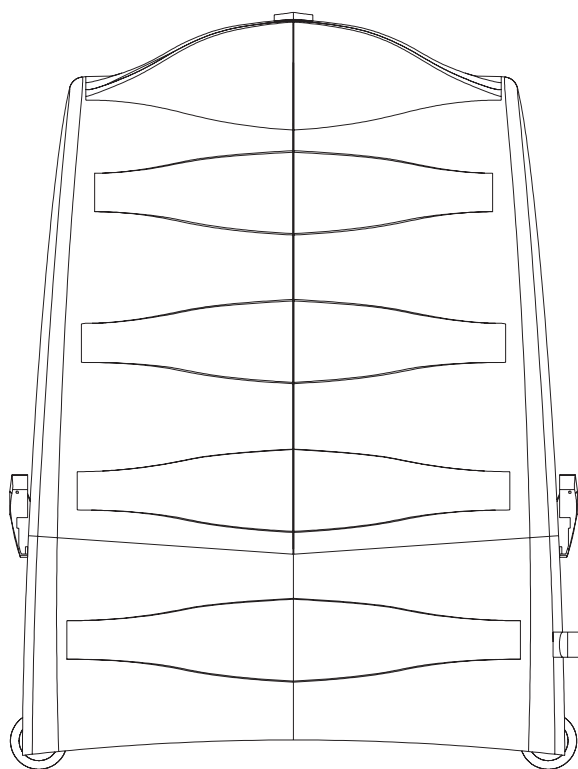


# PHONIC

## Road Gear 160 **PLUS**

## Road Gear 260 **PLUS**

Integrated Mobile Sound System



English

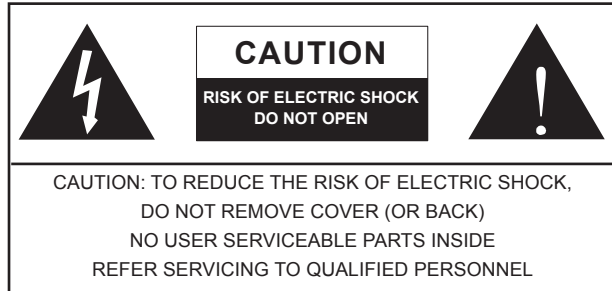
User's Manual

## IMPORTANT SAFETY INSTRUCTIONS

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus. The MAINS plug is used as the disconnect device, the disconnect device shall remain readily operable.

**Warning:** the user shall not place this apparatus in the confined area during the operation so that the mains switch can be easily accessible.

1. Read these instructions before operating this apparatus.
2. Keep these instructions for future reference.
3. Heed all warnings to ensure safe operation.
4. Follow all instructions provided in this document.
5. Do not use this apparatus near water or in locations where condensation may occur.
6. Clean only with dry cloth. Do not use aerosol or liquid cleaners. Unplug this apparatus before cleaning.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

**CAUTION:** Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.



# Road Gear 160 Plus

# Road Gear 260 Plus

Integrated Mobile Sound System

## USER'S MANUAL

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## Introduction

We at Phonic would like to congratulate you on purchasing one of the RoadGear Plus mobile audio systems, a set of audio equipment superior in design and versatility. The Phonic RoadGear sets allow you to take all the equipment you need to setup an advanced all-in-one integrated sound system anywhere you go, with a minimum of fuss. The fully self-contained unit includes two full-range speakers, a powered mixer, and two dynamic microphones, as well as all the needed cables. RoadGear also gives you the option of using wireless microphones and supplies enough storage space to pack them conveniently away.

Setting up the RoadGear couldn't be easier. Just release the docking lock, and, after disassembling the mobile kit, simply position the speakers, and plug them, the microphone, and any other instruments or devices you wish, into the powered mixer. After plugging the powered mixer into an appropriate power supply, your system is ready to use. Not only is it this simple to set up, however, but using the system is just as simple. Using the controls of the supplied powered mixer, simply adjust the levels of the inputs, as well as the high, low, and middle frequencies of the inputs, and the digital effects processor. All these features make the RoadGear an easy and convenient solution to a mobile sound system.

This user's manual is specifically designed to give you accurate information on the function and use of the RoadGear 160 Plus and RoadGear 260 Plus. After thoroughly reading this manual, it is suggested you store it in an easily accessible place for future reference.

## Features

### Common Features

- Integrated mobile sound system with luxury luggage-style molded cabinet plus wheels
- Operates on AC or DC power
- Speaker system with 1" compression driver and 8" woofer
- 2-band EQ on each input channel
- Two 30 feet speaker cables
- Two receiver slots for optional wireless microphones
- Storage compartment for microphones, cables and accessories

### RoadGear 160 Plus additional features

- 160 Watt (80 per channel) stereo
- Four input channel mixer: three mic/line and one stereo
- Echo effect with delay time and repeat controls
- System equalizer with treble/bass control
- One dynamic microphone (with mic clip, cable and carry pouch)

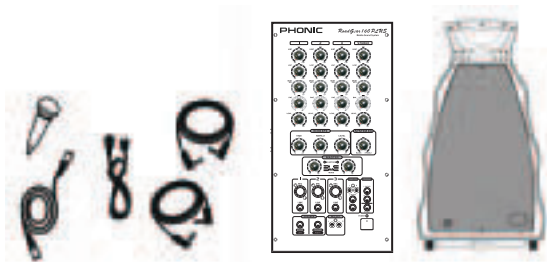
### RoadGear 260 Plus additional features

- 260 Watt (130 per channel) stereo
- Six input channel mixer: four mic/line, two stereo
- High-Definition digital effect processor with 16 programs and tap-delay
- 3-band system equalizer
- Two dynamic microphones (with clips, cables and individual pouches)

## RoadGear Components

### RoadGear 160 Plus

- Two Speakers with specially molded enclosures
- One powered mixer built into a specially molded storage case
- One Phonic UM 99 microphone with 16 foot (5 meter) cable, clip and carry pouch
- Two 30 foot (9 meter) speaker cables
- Detachable power cable
- One transparent dust cover



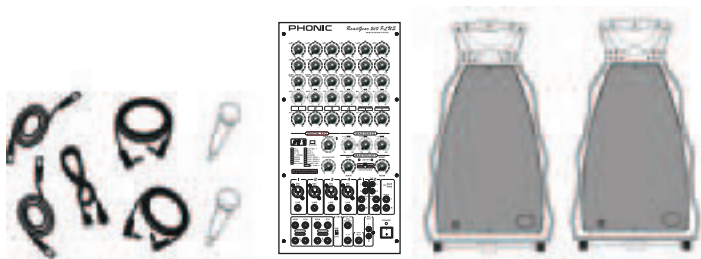
## Caution



- Use the AC power cable supplied with the RoadGear sets only
- When buying the RoadGear, the AC power cable will be specific to the safety and code requirements of the Country of purchase
- The ground (earth) pin of the AC power cable's male connector should under no circumstances be removed.
- When taking the RoadGear abroad, check local voltage levels and ensure the appropriate power standard is used, as selected by the power selection switch on the rear panel.
- When the RoadGear is in use, the storage compartment door must be kept open for better ventilation

### RoadGear 260 Plus

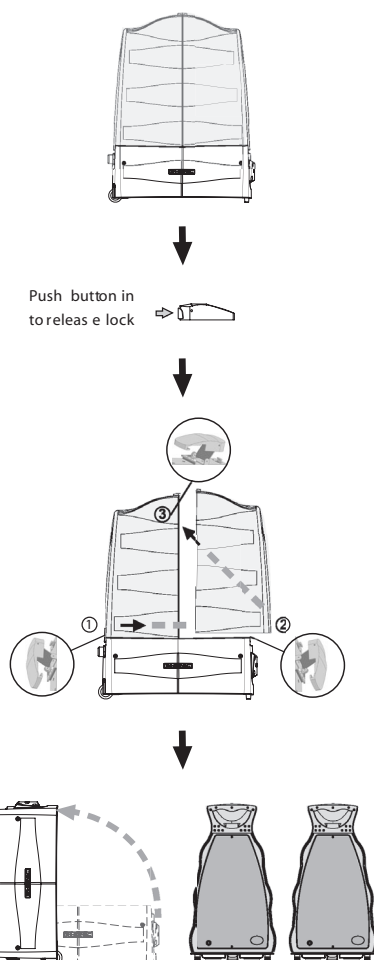
- Two Speakers with specially molded enclosures
- One powered mixer built into a specially molded storage case
- Two Phonic UM 99 microphones each with 16 foot (5 meter) cable, clip and carry pouch
- Two 30 foot (9 meter) speaker cables
- Detachable power cable
- One transparent dust cover



## Disassembling The RoadGear

To follow is the most convenient way to open and close the RoadGear kits. Following these instructions will ensure trouble-free setup of the RoadGear.

1. You should first unclip docking locks ① and ② (indicated below) on either side of the RoadGear.
2. After unhooking these docking locks you can then open the top lock ③. This ensures the RoadGear pieces come apart smoothly.
3. Stand the powered mixer upright.
4. To re-assemble the RoadGear pieces, the same order should be taken (side locks first, followed by the top). This way the pieces will be held securely and firmly together.
5. When using the RoadGear speakers, ensure that the docking locks on the rear are locked back into place, to ensure they don't scratch the surface on which they sit.



## Initial Setup

Please ensure you take note of all setup instructions listed in this manual. The RoadGear 160 and 260 are both used as normal PA systems and therefore all care should be taken in ensuring the correct setting up of equipment.

1. Disassemble the mobile RoadGear set and remove the speakers from the top of the kit. Remove all items you wish to use in your PA system from the RoadGear's storage area. Also, place the mixer and speakers in a suitable place.
2. Connect the two speakers to the Powered Mixer, via the supplied speaker cable. An optional speaker stand may be used to increase the height of the speakers.

**NB.** No devices other than speakers should be connected to the speaker outputs. Doing so will likely cause damage to the device. Also, guitar cables should not be used to connect amplifiers to speakers.

3. Plug all necessary instruments and equipment into the device's various inputs as required. This may include line-signal devices, as well as microphones and/or guitars, keyboards, etc.
4. Plug any necessary equipment into the device's various outputs. This could include monitors, signal processors, and/or recording devices.
5. Ensure all input and out levels are set to the left-most position.
6. Plug the supplied AC cable into the AC inlet on the back of the RoadGear mixer.

**NB.** Ensure the power cable has no scratches or cuts that may reveal the wire beneath before plugging into the provided powered mixer as constant setting up and disassembling of equipment may cause insulation to wear.

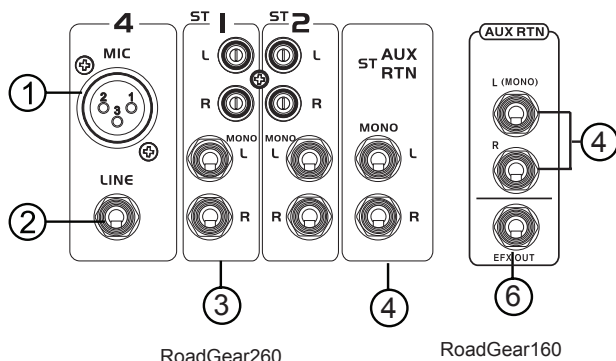
7. Plug the supplied AC cable into a power outlet of a suitable voltage.
8. Turn the mixer power switch to the on position and set all input and output at appropriate levels to suit your needs.
9. When the RoadGear is in use, the storage compartment door must be kept open for better ventilation.

## The RoadGear Mixer

The powered mixer provided with the RoadGear 260 Plus is equipped with 4 mono microphone and line inputs, as well as 2 stereo inputs and a built in effect processor boasting a 32/40-bit DSP. All this, plus a 3-band built in equalizer, ensures your audio always sounds great on the road.

The RoadGear 160 Plus's mixer is equipped with 3 mono mic and line inputs, a single stereo channel, built-in digital echo and system bass/treble control.

## Making a Connection



### 1. Microphone Input Jacks

These XLR jacks are for the input of low level signal devices, most commonly, microphones. For best performance, we suggest using the microphones supplied with the RoadGear set, however they can be used in conjunction with any professional condenser, dynamic (RoadGear 260 Plus only) or ribbon microphones with standard 3-pin XLR male connectors.

### 2. Line Input Jack

These 1/4" TS phone jacks accept a wide range of input line level devices, such as guitars and keyboards. It can accept unbalanced sources, however any microphones plugged into the microphone input will not work when a line device is attached to this system.

### 3. Stereo Inputs

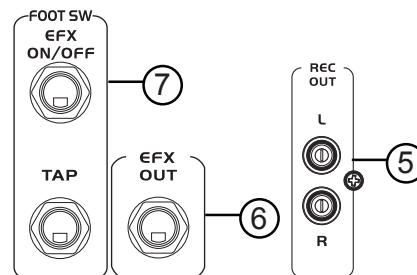
The stereo inputs include 2 sets of jacks: standard RCA stereo jacks, for use with consumer gear like CD and tape players, etc., and stereo 1/4" TS phone jacks, for use with stereo products such as keyboards and drum machines. The RCA and TS jacks can both be used simultaneously; however, in some cases this is unadvisable as the blending of audio may have undesirable results. The audio fed into these input are fed to the corresponding stereo input bus.

### 4. Stereo AUX Return

These TS inputs connect the mixer with parallel external devices, such as sub mixers or external effect processors, receiving the processed signal from another source and feed it to the main mixing bus. If you wish to use a signal from a mono device, simply connect the input to the left jack, and the signal will be doubled to the right, effectively making it a mono signal.

### 5. Record Out

These outputs will accommodate RCA cables to be fed to a variety of recording devices, such as tape and digital recorders.



### 6. Effects (EFX) Out

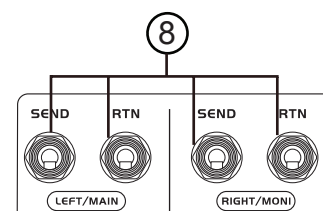
These 1/4" TS outputs are the final output from the effects send mixing bus. This feed may be used to connect to an amplifier and speakers, or to external digital effect processors. When using external processors, the feed can be returned to the Stereo AUX Return ports.

### 7. Foot Switch (RoadGear 260 Plus only)

This port allows the inclusion of a foot switch for remote alteration of digital effect properties (on or off). The upper one is for turning on and off effect; the lower one is for changing tap delay.

### 8. Send and Return (RoadGear 260 Plus)

These connectors allow external signal processors to be incorporated with the main mix, just prior to being sent through the power amplifier. Devices that can be used in conjunction with these jacks include graphic equalizers, digital effect processors, feedback silencers, and so forth. It is strongly advised that these devices are set at low levels to ensure the RoadGear's inputs do not overload.

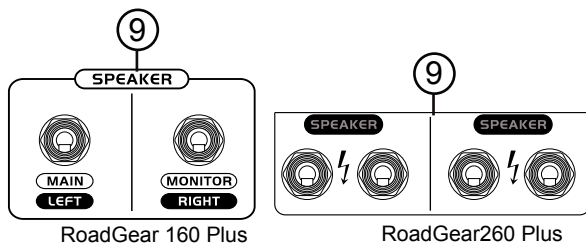




## 9. Speaker Outputs

These jacks are used to connect to speakers, fed from the internal power amplifier. Both sets of outputs are 1/4" TS jacks, which can drive 130 Watts of output into 8Ω (or 80 Watts into 8Ω on the RoadGear 160 Plus) per channel. To use these, simply insert an appropriate 1/4" TS plug into them. The RoadGear 260 Plus features 2 speaker outputs per channel, whereas the RoadGear 160 Plus features a single output per channel.

**NB.** Due to the fact that the output signal of these jacks is active, they should be used in conjunction with speakers only as to avoid damaging any other equipment.



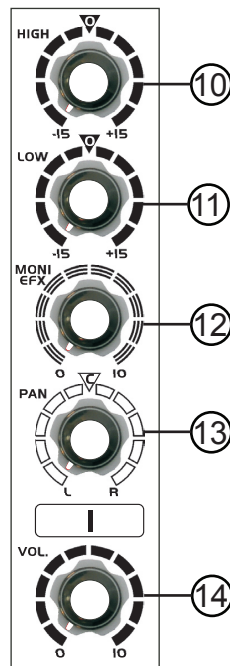
## Controls and Settings

### 10. High Frequency Control

This control alters the degree of high frequencies – or treble – in the audio of the corresponding channel. Turn clockwise to increase the amount of treble in the sound, and turn counterclockwise to decrease the amount. Position the knob for a flat response, if not in use.

### 11. Low Frequency Control

This control alters the degree of low frequencies – or bass – in the audio of the corresponding channel. Turn clockwise to increase the amount of bass in the sound, and turn counterclockwise to decrease the amount. Position the knob at "0" if not in use.



### 12. MONI / EFX Control

This control adjusts the signal level of the corresponding channel to be sent to the EFX and Monitor mixing bus, for digital effect processing and monitoring of audio, respectively.

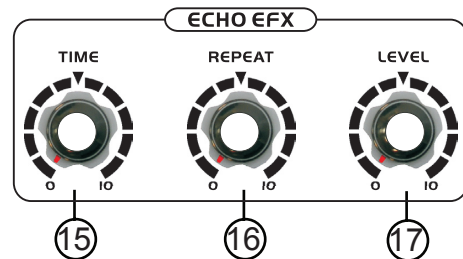
### 13. PAN / BAL Control

The 'pan' control alternates the degree or level of the mono audio signal that the left and right channels of the main mix should receive. On stereo channels, the 'Balance' attenuates the left or right signal as required.

### 14. Level Control

This control alters the signal level of the corresponding channel to the main mix of the RoadGear. This control should be set at "0" when the mixer is not in use.

## Digital Effects (RoadGear 160 Plus)



### 15. Time Control

This control adjusts the time of the built-in echo effect.

### 16. Repeat Control

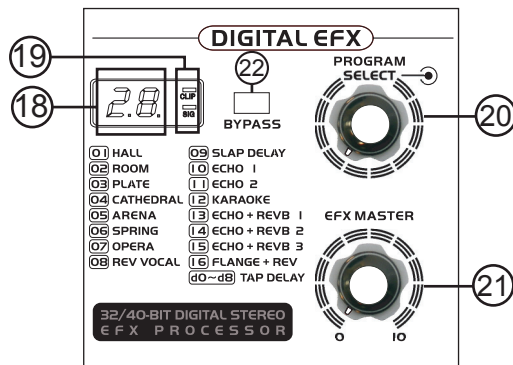
This control adjusts the frequency of the repeats in the Echo effect.

### 17. Level Control

This control adjusts the amount of the audio from the built-in Echo effect processor that will be sent to the main mix.



## Digital Effects Panel (RoadGear 260 Plus)



### 18. Digital Effects Panel

This 2-digit numeric display shows the program number that is currently applied to your EFX audio signal. When you rotate the Program control, you can scroll through different program numbers; however the display will revert back to the original program if a new program is not selected within a few seconds.

### 19. Sig and Clip Indicators

Located within the Digital Effect Display are Clip and Sig LEDs. The Sig LED will light up when any signal is received by the effect processor, and the Clip LED will light up shortly before excessive signals are dynamically clipped. If the Clip LED lights up too often, it may be advisable to turn down one or all EFX controls on input channels to ensure the signal level is not too high.

### 20. Program Control

This control is used to scroll through the various effects. Turning the control clockwise will allow users to ascend into higher program numbers, and turning it counter-clockwise will allow users to descend into lower program numbers. Pushing this control will apply the new effect. When a tap-delay effect is selected, pressing this control will allow users to select the tap-delay time.

By pushing the button several times, the effect processor interprets the time between last two pushes and remembers this as the delay time, until the button is pushed again (this is kept, even after the power is turned off). When the tap delay effect is selected, a small LED will flash within the digital effect display window at the selected intervals.

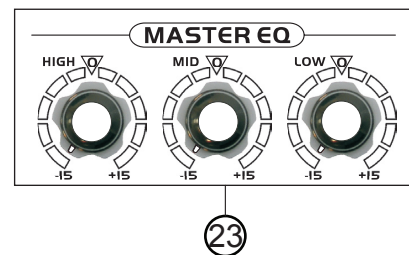
### 21. EFX Master Control

The EFX master control adjusts the final level of the processed signal that is sent to the main mix.

### 22. Bypass Switch

Pushing this switch will bypass the effect engine. Two small indicators within the Effects display will flash when this is done.

## Master Controls



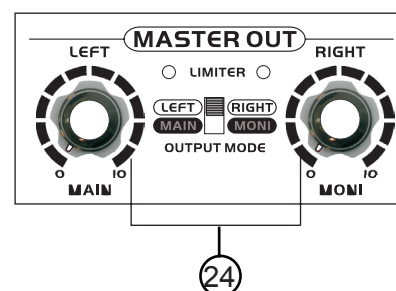
### 23. System Equalizer

The RoadGear 260 Plus's built in equalizer provides you with 3 different level controls, for perfect control over the high, mid and low frequencies of your audio. Changing the level of high frequencies included in your audio will enhance the treble sounds, such as guitars, as well as enhancing the crispness of vocals. Changing the level of low frequencies in your audio will enhance bass sounds, including drums and bass guitars, and add to the overall warmth of the sound. Changing middle frequencies can help add crispness to vocals.

The RoadGear 160 Plus features a single bass / treble control for adjusting the high and low frequency balance of your mix.

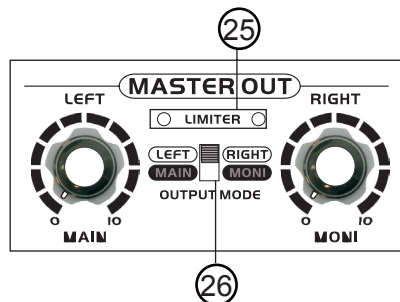
### 24. L/R Level Controls

These controls are used to adjust the final volume level of the MAIN Left and Right signal, sent to the power amplifier and respective outputs (as set by the mode selector switch).



## 25. Limiter Indicators

There are 2 limiters built-in the stereo power amplifier featured in the RoadGear 160 Plus and 260 Plus. The limiters will kick into action (and these LEDs illuminate) when the signal levels become excessive. The limiter system will help prevent any damage from occurring to any of your equipment, as well as try to maintain signal clarity. However, if these LEDs are lighting up, it is advisable to turn the main level controls.



## 26. Mode Selector

This is used to alternate the use of the power amplifier outputs. If stage monitors are used in your set of speakers, then the switch can be set to the MAIN / MONI position. On the RoadGear 260 Plus, this will allow you to plug main speakers into the LEFT / MAIN speaker outputs, and a set of passive monitors (with an impedance of 8Ω or above) to the RIGHT / MONI outputs. On the RoadGear 160 Plus, this selection will cause the left speaker output to send the main signal (in mono); the right speaker output will send the monitor signal. When set to LEFT / RIGHT, the speaker outputs send the main left and right signals as normal.

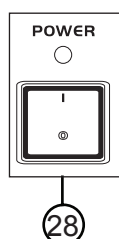
## 27. +48V Switch (RoadGear 260 Plus only)

This switch supplies +48V of phantom power to all input channels, used for powering condenser microphones.



## 28. Power Switch

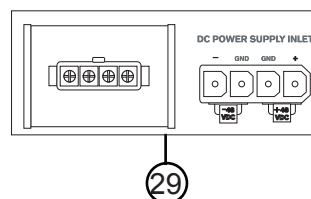
This button is used to turn the device on and off.



## Rear Panel

## 29. DC Power Supply Input

This DC power input is used to connect the RoadGear 12VDC-to±48VDC converter (12VDC-to±40VDC on RoadGear 160 Plus) (and portable 12V battery) to the RoadGear, enabling you to use the RoadGear system when an AC power source is unavailable. The rightmost socket is used for the positive connection, and the leftmost is used for the negative. The two middle sockets are used for grounding. The power supply used should not exceed 51VDC(44VDC on RoadGear 160 Plus) as to ensure safe operation of the RoadGear.

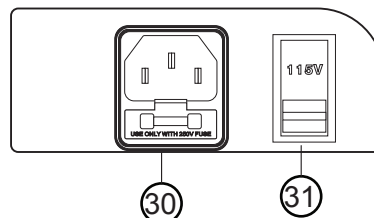


## 30. Power Connector and Fuse Holder

This port is used to plug the female end of the included AC power cable. The other end should be connected to an appropriate power source. Just below this connector is the RoadGear's fuse holder. In the event that the fuse blows, users can open this holder, remove the old fuse and replace it with another suitable fuse (listed near the power connector).

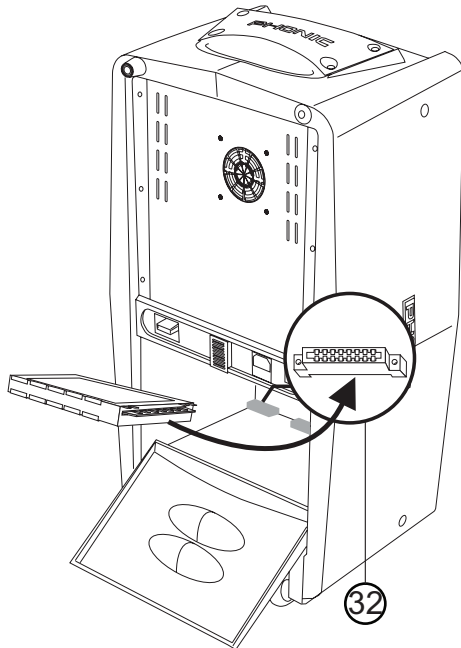
## 31. Voltage Selector

The Voltage Select switch is used to adapt the RoadGear to different Countries' voltage levels. You are able to select between 115V (which you can use in Countries with standard voltage between 100V and 120V) and 230V (which can be used in Countries with standard voltage between 220V and 240V).



### 32. Wireless Module Slots

Located conveniently within the RoadGear storage compartment, these two slots accept the UM-R11 wireless receiver module (available with the UM31, UM41 and UM51 wireless microphone kits). The wireless signal received by the left slot is sent to channel 2 of the RoadGear mixer, whereas the right slot is sent to channel 1.



### 33. Storage Compartment Latch

This small latch keeps the storage compartment closed when not in use. Flick it up before opening, and be sure not to force open the storage compartment as to avoid damaging this latch.

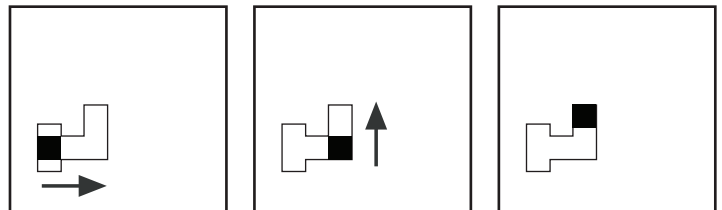


## Combination Docking Lock

The docking locks of the RoadGear are combination locks, which require the user to enter a preset combination to open them. Please observe the following instructions to opening the lock.

- 1) The default code of the lock is 000. Please enter this code the first time you use the RoadGear.
- 2) To change the lock's code, first open the latch and find a small lever on the underneath of the lock. Pull it towards the center of the lock, and up, until it sticks into place.
- 3) Change the number dials to your desired secret code. Ensure you either remember the code or write it down somewhere, as to not have to attempt to break the RoadGear apart in a way that would not be favorable to it whatsoever.
- 4) After entering your desired code, replace the small lever underneath the lock into its original position and voila! Your new, secret code is set.

This process must be repeated for each lock separately. It's advised that you have the same code for each lock, as to avoid confusion.

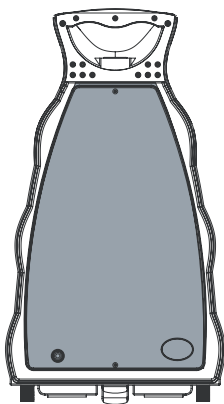


Underneath The RoadGear Combination Lock

## The RoadGear Speakers

The specially molded speakers that are included in both sets provide 8 inch woofers, as well as a 1" compression driver for high quality sound reproduction. Included with the speakers are two 30 foot speaker cables. Each speaker has an impedance of 8Ω.

It is important that users do not pick the RoadGear up by the latches that hold it in place when the kit is assembled. Doing so can cause damage to the latches, making them useless. Furthermore, when using the speakers, be sure to lock the latches at the lower-rear end of the speaker back into place. This also avoids damaging the latch.



## Microphone

Included with the RoadGear sets will be a microphone (two with the RoadGear 260 Plus), more specifically the Phonic UM99 microphone. The Phonic UM99 will no doubt supply you with a fantastically refined sound for use in public addresses or even for vocals in live performances.

**Polar Pattern:** Cardioid (unidirectional)

**Frequency Response:** 50 Hz – 15 kHz

**Impedance:** 600Ω ± 30% (at 1000 Hz)

**Sensitivity:** -72dB ± 3 dB (SPL = 74 dB, 0 dB = 1V/μ bar; at 1000 Hz indicated by open circuit)

**Switch:** on & off

**Dynamic Microphone Cartridge:** CUM-112 (copper voice coil)

**Mechanical Spec:**

**Dimensions:** Ø52 x 178 mm

**Weight:** 232g (without cable)



UM99

## Optional RoadGear Accessories

In addition to all this, the RoadGear sets provide you with the option of using various added features. Wireless microphones, with 2 module inputs conveniently placed at the rear of the mixer, are a fantastic way to ensure the microphone cord is never in the way. Dual and single speaker stands compatible with the RoadGear speakers enable you to position your speakers in a way that best suits your setting, for a greater dispersion of audio. These just add to the ease and convenience that RoadGear provides.

The following is a list of all optional accessories:

**TB-RG:** RoadGear Travel bag, used to protect the RoadGear during transportation or in storage.

**MK1-RG:** RoadGear Speaker wall mount kit.

**MK2-RG:** RoadGear Dual Speaker Mount, allow you to mount two RoadGear speakers at one tripod stand.

**SK1:** Two Speaker Stands, including carry bag.

**SK2:** Two Mic Stands & two Speaker Stands, including carry bag.

## **Wireless Microphone**

There are 3 different wireless microphone kits available for the RoadGear mobile audio systems: the UM31, UM41 and UM51. Each of these systems provides users with the same wireless receiver, however includes either a handheld, lavalier or headset microphone.

### **UM31 Handheld System**

- Handheld transmitter (HT-100)
- Wireless receiver module (UM-R11)

### **UM41 Lavalier System**

- Lavalier microphone (ML-10)
- Bodypack transmitter (BT-200)
- Wireless receiver module (UM-R11)

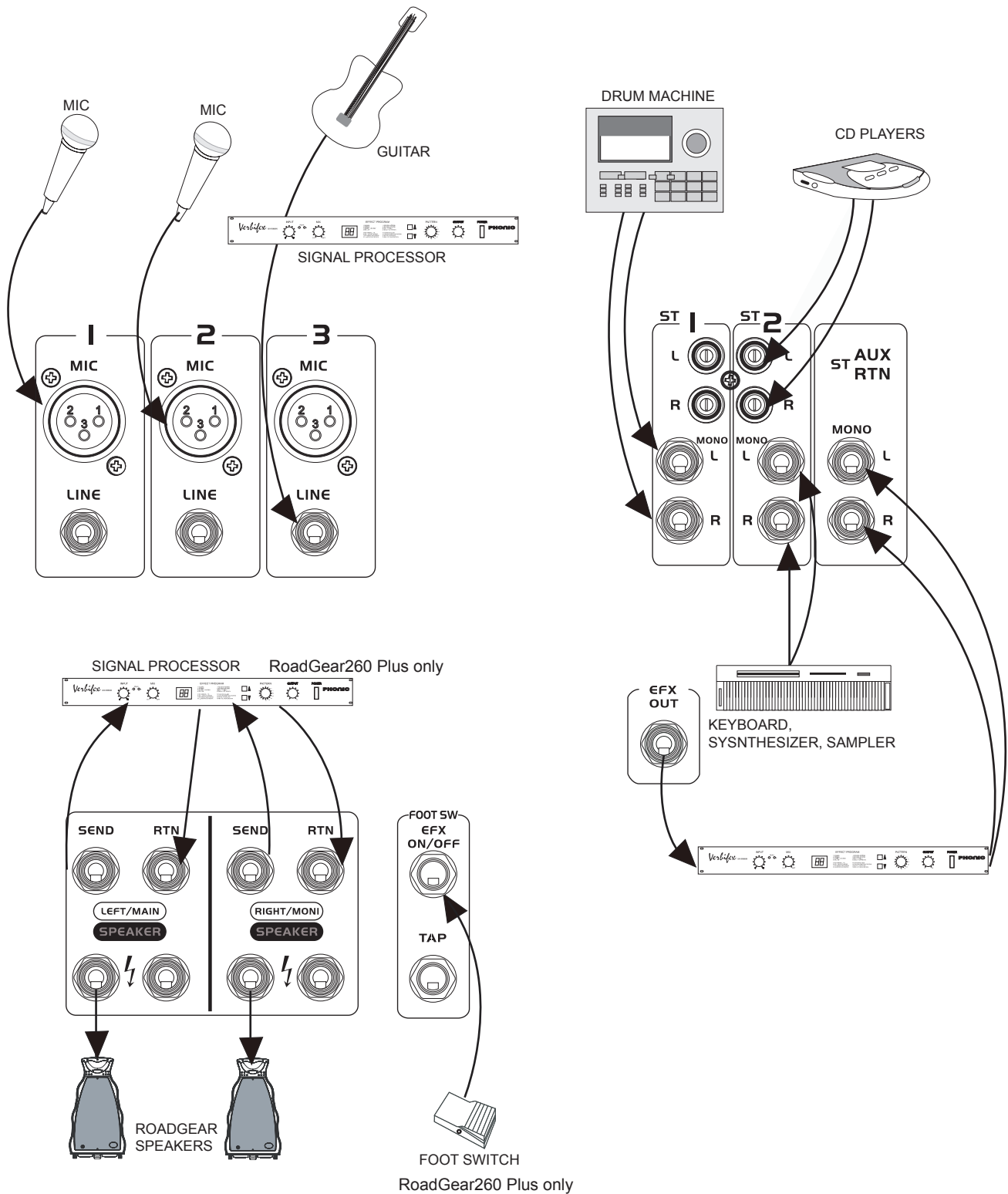
### **UM51 Headset System**

- Headset microphone (MH-20)
- Bodypack transmitter (BT-200)
- Wireless receiver module (UM-R11)

<b>RF Frequency</b>	614 – 870 MHz
<b>Oscillation Type</b>	PLL Synthesized Control Oscillation
<b>Channels</b>	16 Channels
<b>Frequency Response</b>	50 Hz – 18 kHz, +/-3dB
<b>Bandwidth</b>	24 MHz
<b>Operation Range</b>	100m

## On The Road Application

The Phonic RoadGear sets are use the same was as an ordinary PA system would be, but with the convenience of having all the components in one handy package, and as such has the potential to be set up in a variety different ways. Below is just one of the many possible examples we could have given you in setting up the gear, hopefully giving you a good idea of the amazing possibilities that RoadGear provides.



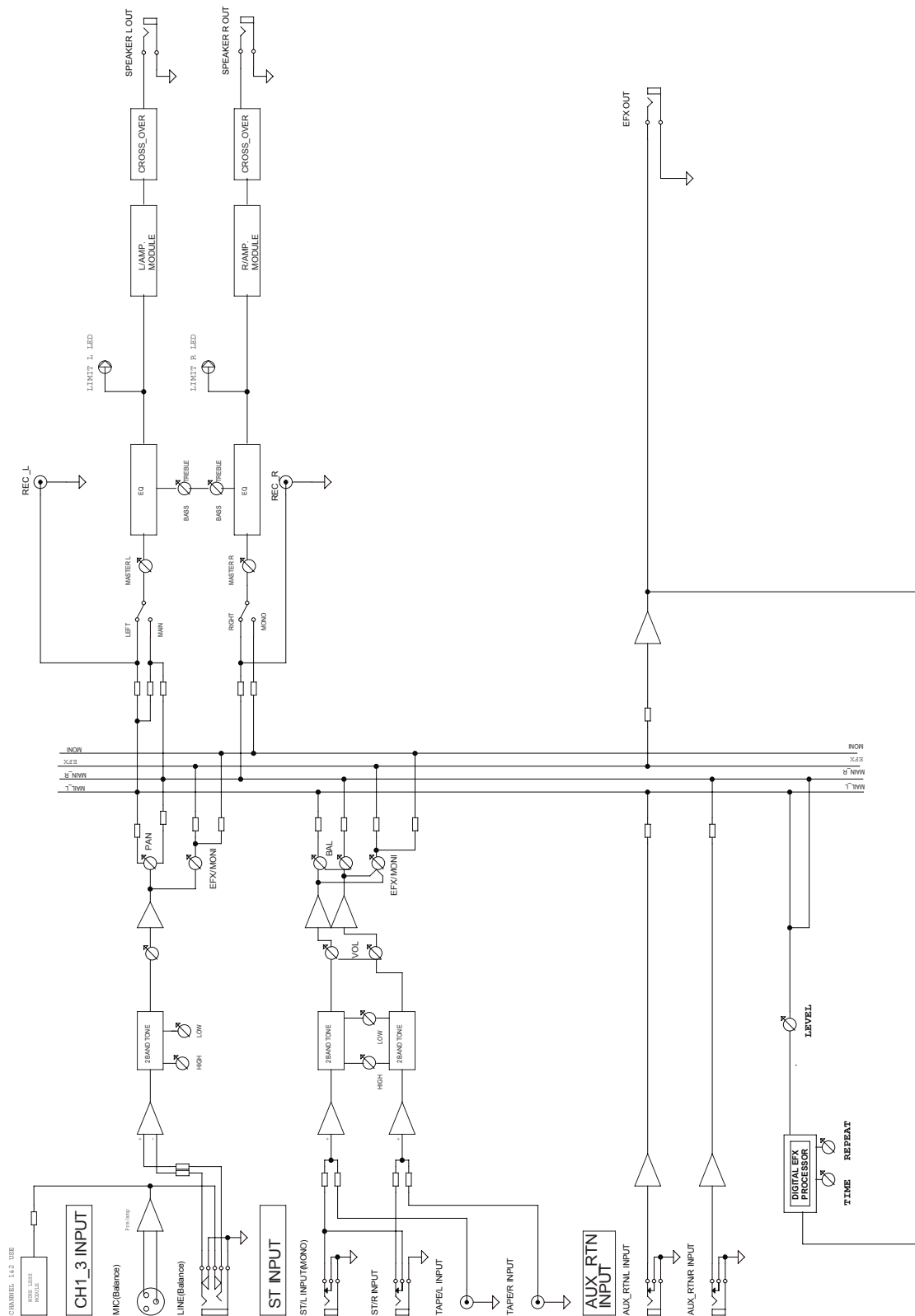
## Specifications

	<b>RoadGear 160 Plus</b>	<b>RoadGear 260 Plus</b>
<b>Speakers</b>		
<b>Drivers</b>	Compression tweeter & 8" woofer	Compression tweeter & 8" woofer
<b>Stand Adapter</b>	35mm	35mm
<b>Output Power</b>	2 x 80W @ 8 ohms	2 x 130W @ 8 ohms
<b>Mid/High Crossover Point</b>	2 kHz	2 kHz
<b>Mixer</b>		
<b>Channels</b>	3 mono & 1 stereo CH, 2-band EQ, Efx send, pan, level	4 mono & 2 stereo CH, 2-band EQ, Efx send, pan, level
<b>Mono Channel</b>	Balanced, XLR & 1/4" TRS	Balanced, XLR & 1/4" TRS
<b>Stereo Channel</b>	2 x 1/4" TS & 2 x RCA	2 x 1/4" TS & 2 x RCA
<b>Multi-effect Processor</b>	Echo with time and repeat control	16 programs plus tap delay, 40-bit
<b>Foot Switch</b>	na	Momentary, Effect On / Mute and tap
<b>System EQ</b>	Treble/Bass	3-band
<b>Minimum Impedance of Power Amplifier</b>	8 ohms	4 ohms
<b>Amp Mode</b>	L & R or MAIN & MONITOR, with limiter indicators	L & R or MAIN & MONITOR, with limiter indicators
<b>Speaker Out</b>	1 x 1/4" TS per channel	2 x 1/4" TS per channel with insert Send and Return
<b>Tape Out</b>	One Stereo RCA	One Stereo RCA
<b>EFX Out &amp; ST Return</b>	Yes, 1/4" TS	Yes, 1/4" TS
<b>Phantom Power</b>	na	Yes
<b>Wireless Mic Module Socket</b>	2 (wireless microphones and receiver modules are optional)	2 (wireless microphones and receiver modules are optional)
<b>Miscellaneous</b>		
<b>Included Accessories</b>	1 x Phonic UM99 microphone with clip, 20' cable, and carry pouch 2 x 30' speaker cables 1 x detachable power cable 1 x PVC dust cover	2 x Phonic UM99 microphone with clip, 20' cable, and carry pouch 2 x 30' speaker cables 1 x detachable power cable 1 x PVC dust cover
<b>Power Requirement</b>	Switchable between 115VAC / 60Hz and 230VAC / 50Hz, or optional	Switchable between 115VAC / 60Hz and 230VAC / 50Hz, or optional
<b>Dimensions (H x W x D)</b>	818 x 635 x 352 mm (32.2" x 25" x 13.9")	818 x 635 x 352 mm (32.2" x 25" x 13.9")
<b>Net Weight</b>	27 Kg (59.5 lbs)	28 Kg (61.7 lbs)

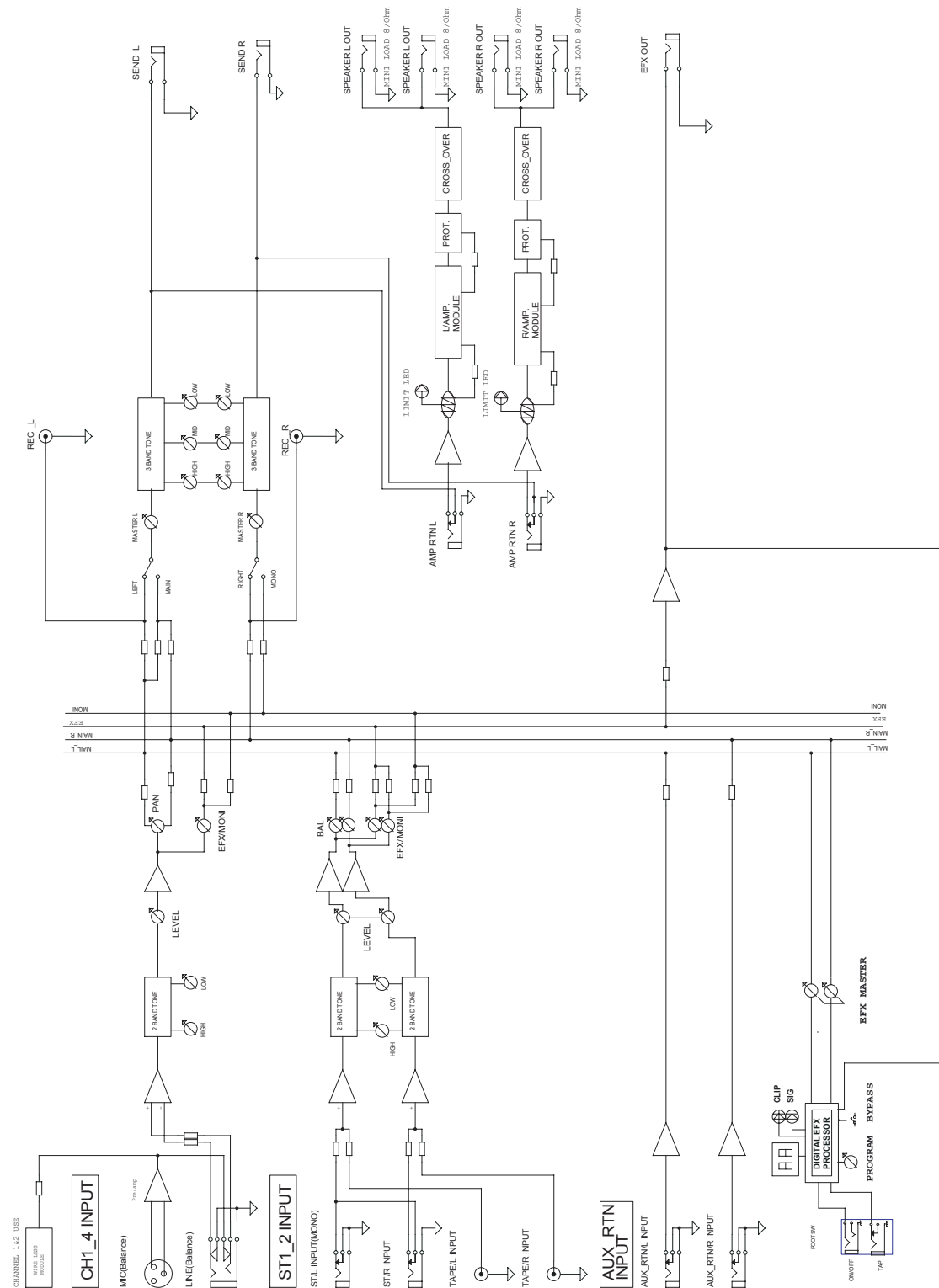


## Block Diagrams

### RoadGear160 Plus



## RoadGear 260 Plus



## **TO PURCHASE ADDITIONAL PHONIC GEAR AND ACCESSORIES**

To purchase Phonic gear and optional accessories, contact any authorized Phonic distributor. For a list of Phonic distributors please visit our website at [www.phonic.com](http://www.phonic.com) and click on Get Gear. You may also contact Phonic directly and we will assist you in locating a distributor near you.

## **SERVICE AND REPAIR**

Phonic has over 100 service centers worldwide. For replacement parts, service and repairs please contact the Phonic distributor in your country. Phonic does not release service manuals to consumers, and advice users to not attempt any self repairs, as doing so voids all warranties. You can locate a dealer near you at [www.phonic.com](http://www.phonic.com).

## **WARRANTY INFORMATION**

Phonic stands behind every product we make with a no-hassles warranty. Warranty coverage may be extended, depending on your region. Phonic Corporation warrants this product for a minimum of one year from the original date of purchase against defects in material and workmanship under use as instructed by the user's manual. Phonic, at its option, shall repair or replace the defective unit covered by this warranty. Please retain the dated sales receipt as evidence of the date of purchase. You will need it for any warranty service. No returns or repairs will be accepted without a proper RMA number (return merchandise authorization). In order to keep this warranty in effect, the product must have been handled and used as prescribed in the instructions accompanying this warranty. Any tempering of the product or attempts of self repair voids all warranty. This warranty does not cover any damage due to accident, misuse, abuse, or negligence. This warranty is valid only if the product was purchased new from an authorized Phonic dealer/distributor. For complete warranty policy information, please visit <http://www.phonic.com>.

## **CUSTOMER SERVICE AND TECHNICAL SUPPORT**

We encourage you to visit our online help at <http://www.phonic.com/help/>. There you can find answers to frequently asked questions, tech tips, driver downloads, returns instruction and other helpful information. We make every effort to answer your questions within one business day.

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