



# Users Manual

**Pronomic TAS-18 Active Touring System**

# 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 manufacturers instruction.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus 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. Unplug this apparatus during lightning storms or when unused for long periods of time.
12. 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.

### SAFETY PRECAUTIONS!

|   |
|---|
| <b>WARNING !!</b><br><b>TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK<br/>DO NOT EXPOSE EQUIPMENT TO RAIN OR MOISTURE.<br/>IMPROPER SPEAKER CONNECTIONS MAY DAMAGE<br/>THIS UNIT AND/OR SPEAKERS. IMPROPER OPERATION<br/>MAY VOID MANUFACTURER'S WARRANTY.</b> |
|---|

|   |
|---|
|  <b>CAUTION !!</b>  |
| <b>REPLACE WITH THE SAME TYPE FUSE AND RATING.<br/>DISCONNECT SUPPLY CORD BEFORE CHANGING FUSE</b>  |



This triangle on your component alert you to the presence of uninsulated "dangerous voltage" inside the enclosure that may be sufficient to constitute a risk of shock.



This triangle on your component alert you to important operation and maintenance instructions in this accompanying literature.

**CAUTION:** To reduce the risk of electric shock, do not remove the top cover (or the tear section). No user serviceable parts inside, refer servicing to qualified personnel.

**WARNING:** To reduce the risk of electric shock, do not expose this appliance to rain and moisture.

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## INTRODUCTION

Thank you for choosing this touring active system.

This Combination Series consists of two TOP System( mid / high units) loading with a 12" woofer, 1.5" driver, and four Bass system with an onboard 600 W RMS Class D digital Amp.

With same TOP system, 15" subwoofer and 18" subwoofer can be combined for the touring system.

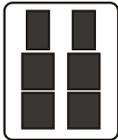
Connecting and setting up the system is a breeze. It accepts a stereo or mono line-level signal via female XLR input jacks. Male XLR Thru jacks are provided for daisy-chaining the signal to additional cabinets. Connect this to the inputs of full-range active speakers. A frequency control from 40Hz to 200Hz allows you to choose the best crossover point of subwoofer to achieve the best result. A Subwoofer Level control allows you to adjust the balance between the subwoofer and the fullrange speakers.

The cabinet is constructed with 15mm thick multi-layered birch plywood. Carrying handles are integrated into each side for easy loading, and casters are attached to the rear for easy transport.

## TRANSPORT

To transport the system, simply set the speaker on their casters.

## SETUP



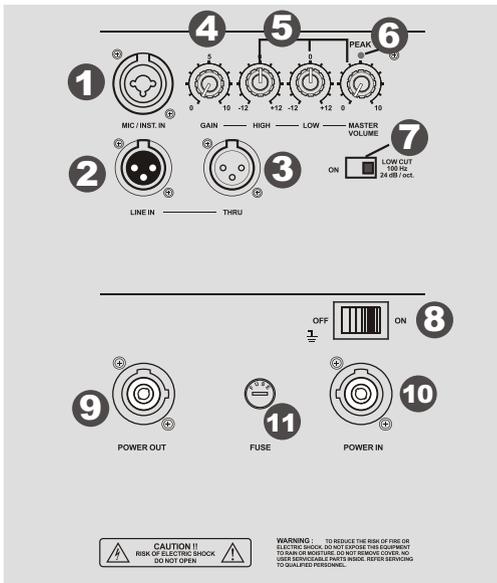
The Standard comprises  
Two TOPS  
Four SUBWOOFER

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## PRECAUTIONS

1. When first powering-up the product, keep the amplifier gain controls all the way off, in order to prevent from being potentially damaged and from producing annoyed sounds caused by defective cables or hookups. When turning up gain control, do it gradually, until normal operation is verified. These precautions are necessary for all speaker system with high power amplifiers, since they have enough power to blow most speakers in abnormal situations.
2. Check the AC Voltage before connecting the AC plug.

## REAR PANEL DESCRIPTION----- TOP SYSTEM



### 1. MIC. / LINE INPUT

This is XLR-type for Mic. Inputs, as well as 1/4" TRS (tip-ring sleeve) input jack.

### 2. MAIN INPUT

This is female XLR-type connector that accept a balanced line-level signal from a mixing console or other signal source.

### 3. THRU (FULL RANGE OUTPUT)

This is male XLR-type connector that produces exactly the same signal that is connected to the MAIN INPUT jack. Use it to daisy-chain several active system together of the same signal source.

### 4. MIC. GAIN

This adjusts the MIC. Level.

### 5. EQ CONTROL

To adjust the EQ control for setting the balance of system.

### 6. PEAK INDICATOR

The PEAK indicator built to prevent the amplifier outputs from over driving the transducers. It lights when the limiter is activated. And it's okay for the PEAK indicator to blink occasionally, but if it blinks frequently or lights continuously, turn down the level control until the PEAK indicator only blinks occasionally.

### 7. LOW CUT SWITCH

Use this switch, you can balance this system as a Mid-High by Low Cut Switch on. As a full range system, the switch should be off.

### 8. POWER SWITCH

Use this switch to turn the system on and off. Make sure the signal source's level control is turned down before you turn it on.

### 9. POWER OUT

This is AC power out to top system or another active system which equipped with powercon-3.

### 10. POWER IN

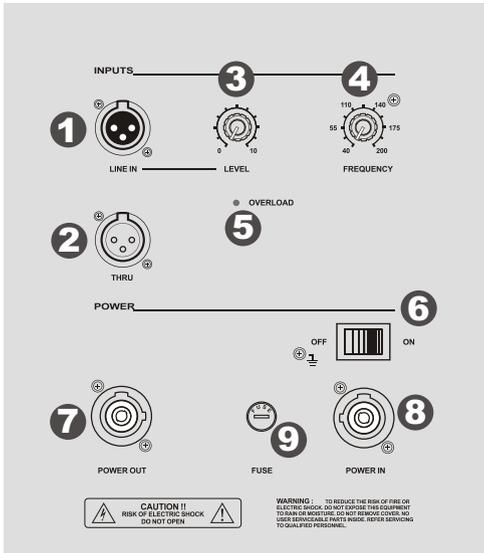
This is where you connect the AC linecord to provide AC power. Plug the linecord into an AC socket properly configured for your particular model.

### 11. FUSE HOLDER

When occur a problem on this appliance, the fuse will be cut off power to prevent from a problem. To replace, use standard fuse as specified on this appliance.

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## REAR PANEL DESCRIPTION----- SUB SYSTEM



### 1. FULL RANGE INPUT

This is female XLR-type connector that accept a balanced line-level signal from a mixing console or other signal source.

### 2. THRU (FULL RANGE OUTPUT)

This is male XLR-type connector that produce exactly the same signal that is connected to the FULL RANGE INPUT jack. Use it to daisy-chain several NB18A together or other active system the same signal source.

### 3. SUBWOOFER LEVEL CONTROL

This adjusts the subwoofer level. Use this as a starting point for setting the balance between the subwoofer and the main speakers.

### 4. FREQUENCY CONTROL

Use this control, you can adjust the bass frequency from 40Hz to 200Hz to balance the bass and top speakers.

### 5. LIMIT (PEAK) INDICATOR

The system has a built-in limiter (PEAK) that prevents the amplifier outputs from over driving the transducers. The PEAK indicator lights when the limiter is activated. It's okay for the PEAK indicator to blink occasionally, but if it blinks frequently or lights continuously, turn down the level control until the PEAK indicator only blinks occasionally.

### 6. POWER SWITCH

Use this switch to turn the system on and off. Make sure the signal source's level control is turned down before you turn it on.

### 7. POWER OUT

This is AC power out to top system or another active system such as NSR15A which equipped with powercon-3.

### 8. POWER IN

This is where you connect the AC linecord to provide AC power. Plug the linecord into an AC socket properly configured for your particular model.

### 9. FUSE HOLDER

When occur a problem on this appliance, the fuse will be cut off power to prevent from a problem. To replace, use standard fuse as specified on this appliance.

## TIPS

Do not expose electronic circuitry to moisture! When you set the system up outdoors, be sure to protect it against rain. Keep soft drinks, beer and all other liquids well away from the cabinets to protect their electronic components from short circuits.

Ensure that the ducts on the enclosures rear panels are free of dirt and the devices are ventilated properly. Otherwise, electronic components may overheat and suffer damage.

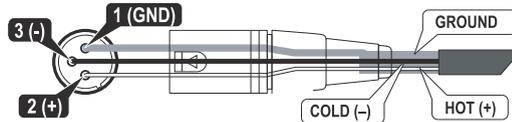
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## CONNECTIONS

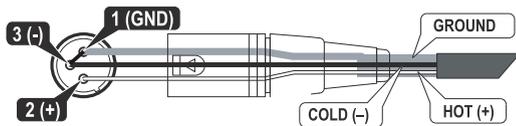
The system has a female XLR input that accept a balanced line-level signal. When connecting a balanced signal, be sure it's wired per AES ( Audio Engineering Society) standards:

|                 |       |
|-----------------|-------|
|                 | XLR   |
| Hot (+)         | Pin 2 |
| Gold (-)        | Pin 3 |
| Shield (Ground) | Pin 1 |

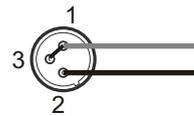
The Balanced XLR inputs wired



If connecting an unbalanced signal to the system balanced input, be sure that the signal high (hot) connection is wired to Pin 2 and the unbalanced ground connection is wired to the low and the ground connections of the balanced input (Pin 3 and 1). If there are ground-loop problem, try connecting the unbalanced ground connection only to the input low connection ( Pin 3), and leaving the input ground connection disconnected.



The unbalanced XLR connector



The THRU output connectors allow you to connect more than one bass or other active speaker to your system. Simply plug source (i.e. Mixer output) into the first speaker's Full RANGE INPUT jacks, and patch that speaker's THRU jacks to the next speaker's INPUT jacks, and so on, daisy-chaining multiply speakers. The THRU jack is wired straight from the FULL RANGE INPUT connector( there is no electronic circuitry between), so the signal coming out of the THRU jack is exactly the same as the signal going in.

AC Power Cord connects ( with power connector-3 Pin)



## PLACEMENT

The bass system is designed to sit on the floor, there is no rigging points and is not suitable for rigging. Never attempt to suspend the system by its handles. As with any powered components, protect the system from exposure to moisture. If you are setting them up outdoors, make sure they are under cover if you expect rain.

## AC POWER

Be sure the system is plugged into an outlet that is able to supply the correct voltage specified for your model. And be sure the electrical service can supply enough amperage for all the components connected to it. We recommend that a stiff supply of AC power be used because the amplifiers place high current demands on the AC line. The more power that is available on the line, the louder the speakers will play and the more peak output power will be available for cleaner, punchier bass. A suspected problem of poor bass performance is often caused by a weak AC supply to the amplifiers. Never remove the ground pin on the power cord of the bass or any other component. This is very dangerous.

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## SPECIFICATION

### TOP / 12" FULL RANGE

|                            |               |
|----------------------------|---------------|
| Cabinet                    | Mid / High    |
| Configuration              | Full range    |
| Nom. Impedance             | Compact 2-way |
| Rated Power RMS            | 4 Ohms        |
| SPL 1w/1m                  | 300 Watts     |
| Frequency Response (-10dB) | 101 dB        |
|                            | 45-20KHz      |
| Coverage Angle             | 90 ° × 40 °   |
| Crossover Frequency        | 1600 Hz       |
| Voice Coil Protection      | PTC           |
| Components High            | 1.5 " Driver  |
| Components Mid (Low)       | 1x12/300      |
|                            | 12 "          |
| Material                   | Plywood       |
|                            | 15mm          |
| Finish                     | Black Lacquer |
| Dimensions (WxHxD) cm      | 47x62x52      |
| Net Weight (Kg)            | 35            |

### SUB-WOOFER / 15"

### SUB-WOOFER / 18"

|                   |                       |                       |
|-------------------|-----------------------|-----------------------|
| Frequency Range:  | 40Hz-200Hz            | 40Hz-200Hz            |
| SPL 1W/1m:        | 102 dB                | 102 dB                |
| Max. SPL@1m:      | 124 dB                | 124 dB                |
| Input Type:       | Balanced differential | Balanced differential |
| Input Impedance:  | 20K Ohms              | 20K Ohms              |
| Input Protection: | Level protected       | Level protected       |

#### Low-Frequency Transducer

|                      |             |             |
|----------------------|-------------|-------------|
| Diameter:            | 15" (386mm) | 18" (463mm) |
| Voice Coil Diameter: | 4" (99.2mm) | 4" (99.2mm) |

#### Low-Frequency Power Amplifier

|              |               |               |
|--------------|---------------|---------------|
| Rated Power: | 600 Watts RMS | 600 Watts RMS |
| Rated THD:   | <0.03%        | <0.03%        |

|        |              |              |
|--------|--------------|--------------|
| US     | 120 V, 60 Hz | 120 V, 60 Hz |
| Europe | 230 V, 50 Hz | 230 V, 50 Hz |

|                      |               |               |
|----------------------|---------------|---------------|
| Cabinet Material     | 15mm PLY wood | 15mm PLY wood |
| Dimension (WxHxD) cm | 47x58x60      | 50x66x60      |
| Net Weight (Kg)      | 38            | 44            |