Manuals+ — User Manuals Simplified.

PX-1 Line Connect Digital
Audio Processor

EXPERT ELECTRONICS PX-1 Line Connect Digital Audio Processor User Manual

Contents

EXPERT ELECTRONICS PX-1 Line Connect Digital Audio Processor

Specifications

- Type: Expert Electronics Processor
- Max. Input Level: 6 Vrms
- Input Impedance: Not specified
- Max. Output Level: Not specified
- Output Impedance: Not specified
- Resolution: Not specified
- Sampling Frequency: Not specified
- Processing Latency: Not specified
- Frequency Response: Not specified
- THD + D max: Not specified
- Signal-to-Noise Ratio: Not specified

Description

The Expert Electronics Processor offers polarity inversion, input gain, independent mute function per channel, frequency and sweep generator, user password, configurable memories, independent gain per channel, and more.
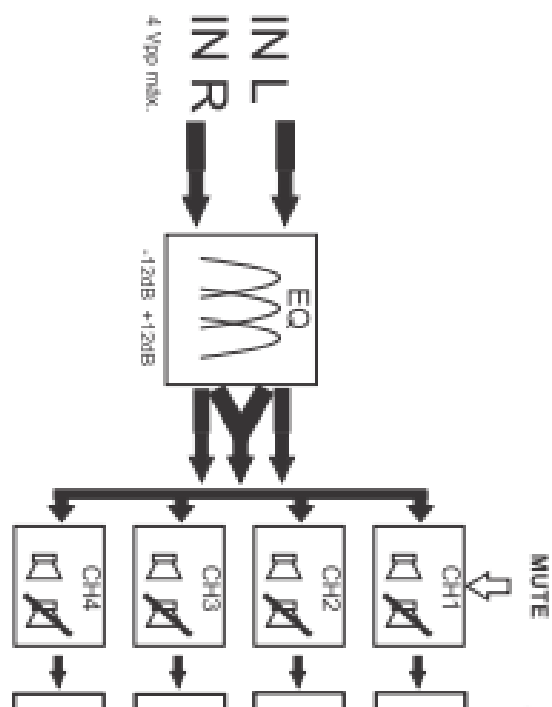
- 2 signal inputs
- 4 independent outputs
- 2 links outputs
- Channel routing
- Input equalizer with 10 bands spaced in ¼ octave
- Parametric equalizer with 1 independent band per channel
- Crossover with Butterworth, Linkwitz-Riley, and Expert type filters with attenuations from 6 to 48dB/8º
- Independent delay per channel
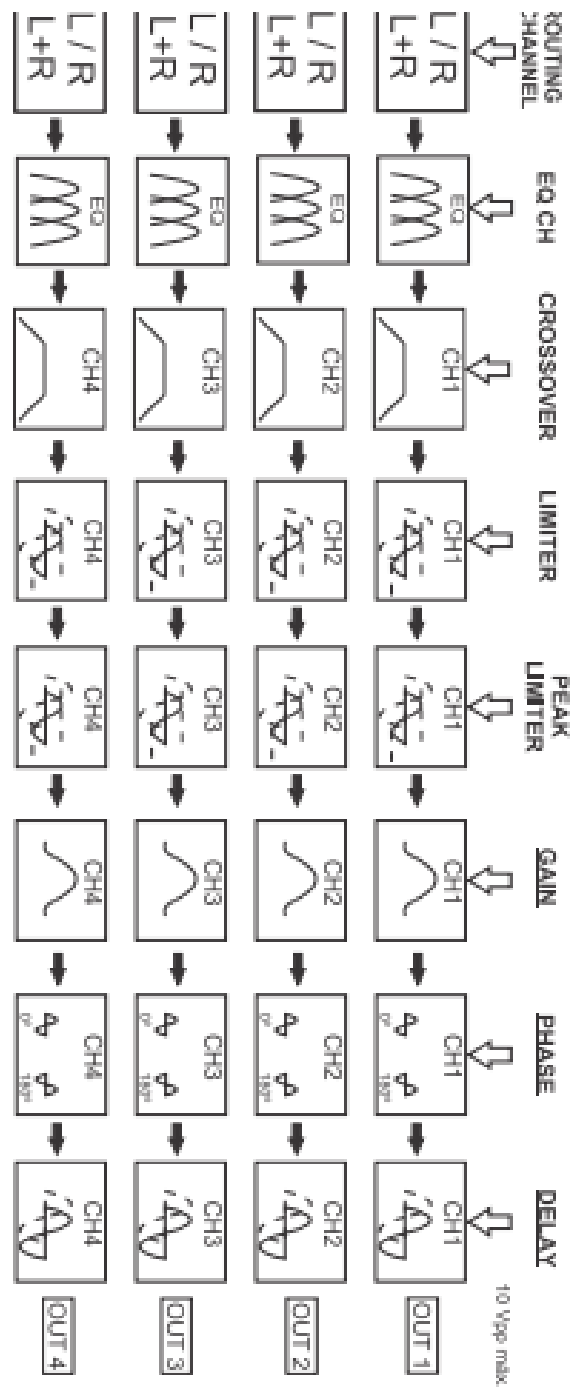- Limiter with configurable Threshold, Attack and Release

- Peak limiter with Threshold adjustment

- Polarity inversion

- Input gain

- Independent mute function per channel

- Frequency and sweep generator

- User password (available only for Connect Line model) 3 100% configurable memories

- Independent gain per channel

- Remote output with 300 ma

- Power tolerance of 9 to 16 Vdc

- The Bluetooth communication interface (available only for the Connect Line model)

- Language
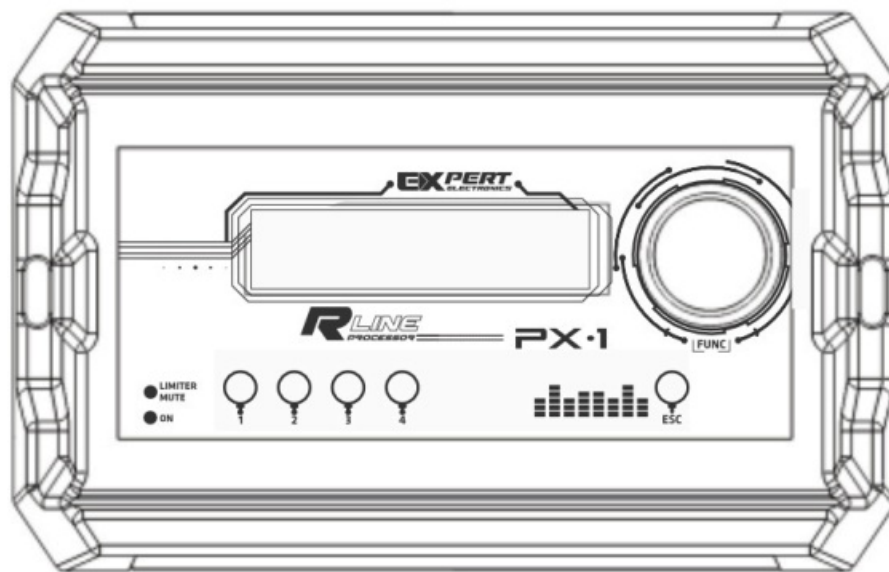
Functional Diagram

The product features an LCD for configuration and monitoring, a rotary encoder for parameter selection and changes, keys for selecting channels, processor output channels, input sensitivity adjustment, signal inputs, a power connector, and a Bluetooth antenna (available for the Connect Line model).

ROUTING CHANNEL → EQ CH → CROSSOVER → LIMITER → PEAK LIMITER → GAIN → PHASE → DELAY

L / R, L+R (EQ) (CH1) (CH1) (CH1) (CH1) (CH1) (CH1) → OUT 1
L / R, L+R (EQ) (CH2) (CH2) (CH2) (CH2) (CH2) (CH2) → OUT 2
L / R, L+R (EQ) (CH3) (CH3) (CH3) (CH3) (CH3) (CH3) → OUT 3
L / R, L+R (EQ) (CH4) (CH4) (CH4) (CH4) (CH4) (CH4) → OUT 4

10 Vpp max.

DESCRIPTION OF ELEMENTS

1. LCD for configuration and monitoring
2. Rotary encoder responsible for parameter selection and changes
3. Use these keys to select the channel to be configured; may be used inside any menu. If used on the home screen, it changes the channel
4. Use ESC to go back to the previous parameter or menu
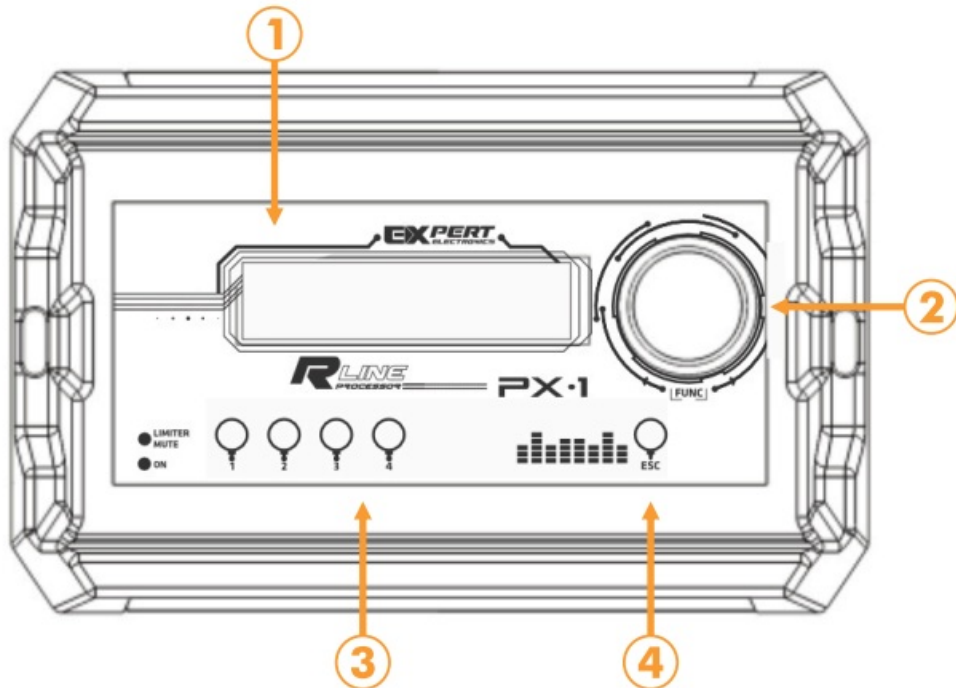
5. Processor output channels, connect to the amplifiers

6. Input sensitivity adjustment from 2 to 6 Vrms

7. Signal inputs must be connected to the output of the player or mixer
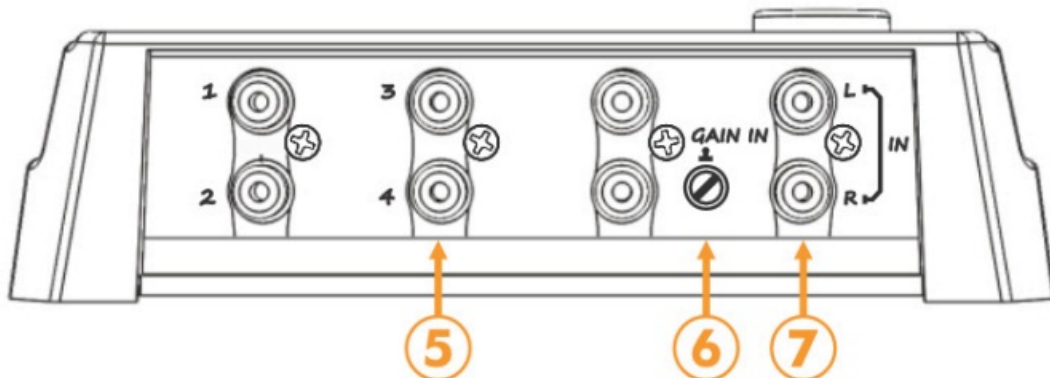
8. The power connector must be supplied with 12Vdc, the REM IN must be connected to the player's remote, and the REM OUTis sent to the amplifiers

9. Bluetooth antenna (available only for Connect Line model)
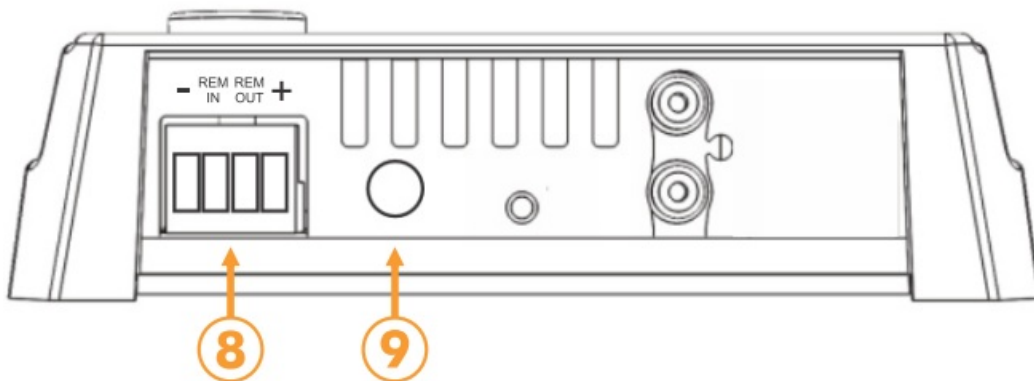
Bluetooth Connection (AVAILABLE ONLY FOR CONNECT LINE MODEL) BLUETOOTH INTERFACE
Using a didactic and intuitive interface, the user can configure Expert Electronics processors via smartphone or tablet, thus allowing easy system alignment, which can be done in front of other systems and in real-time.
The app can be downloaded free from Google Play or the Apple Store

BLUETOOTH CONNECTION (AVAILABLE ONLY CONNECT LINE MODEL)
FUNCTIONS

- Channel routing
- Overall gain
- Output gain
- Allows for more precise adjustments
- Delay
- Input equalizer (EQ IN)
    - Allows you to change values by pressing the Router
- button to make adjustments
- Output equalizer
- Polarity inversion
- 100% configurable memories
- Protection password
- Signal generator
- RMS Limiter
    - Greater accuracy
- Peak limiter

Pairing Instructions

- Download the application from the n Google Play Store or Apple
- Store
- Activate the device location
- Activate the Bluetooth connection
- Open the device
- The device automatically recognizes the processor
- Select the processor
- Enter the password
- Factory password: 0000
- To change the factory password just type in the new password and click OK
- To change the factory again, the processor must be reset

    ATTENTION

    Google Play Store or Apple Store application available only for CONNECT line models.

TECHNICAL SPECIFICATIONS
INPUTS

Type	Balanced
Connection	RCA
Max. Input level	2 to 6Vrms
Input impedance	100K

OUTPUT (1, 2, 3, 4)

Voltage	10~15Vdc
Consumption	300ma (5w)
Fuse	1A

TECHNICAL DATA

Resolution	24 Bits
Sampling frequency	48 kHz
Processing latency	1.08ms
Frequency response	10 Hz to 22 Khz (-1dB)
THD + D max	0,01%
Signal-to-noise ratio	100dB

POWER

Type	Unbalanced
Connection	RCA
Max. Output level	3.5Vrms
Output impedance	470R

DIMENSIONS (H x W x D)
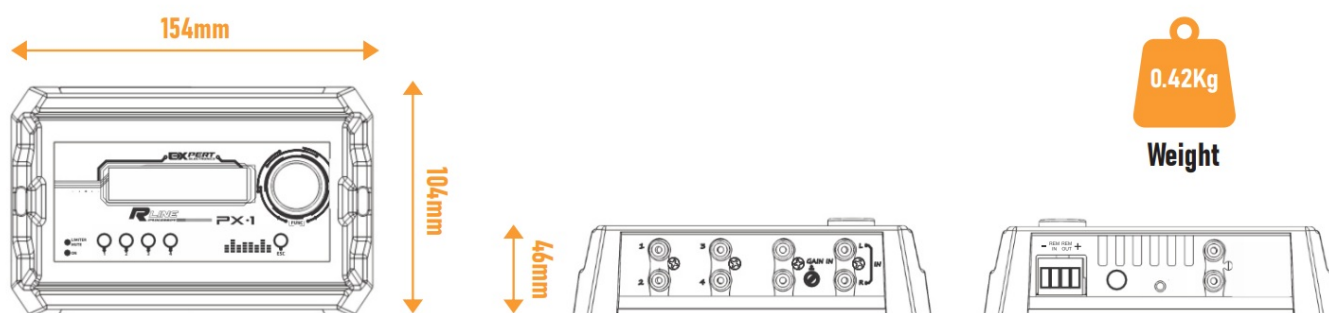
WARRANTY TERMS

Warranty valid for 12 months (one year), starting from the date of purchase, if purchased from an authorized Expert Electronics dealer. Will be covered by warranty components and/or parts comproved that show failures in process manufacture or damaged components.
Warranty ddoesn'tcover:

1. Equipment, parts, or components previously altered by unauthorized people.

2. Damages caused by accidents fallslcrashessh, etc) or natural disasters (overflow, burning, etc).

3. Improper installation (improper wiring, abuse, installation out of specifications).

4. Shipping costs In case of any repair, contact the dealer for warranty instructions.

- **ADDRESS:** Banda Audioparts Rua Manoel Joaquim Filho, 353

- **Neighborhood:** Santa Terezinha Paulínia – SP Brazil

- **Zip Code:** 13148-115

- **NOTE:** If out of warranty, repair costs (if needed) will be charged from the client.
- **Phone:** 55 (19) 3844-7173
- **e-mail:** **suporte@expertelectronics.com.br**
- Expert Electronics reserves the right to alter the characteristics of the product without previous advice.

WARRANTY REGISTRATION:

Name:
……
………………………………………
Register:………………………………………………… Date:………………………………………… Phone:
………………………………………………..
Address:
……
………………………………..
Dealer:…………………………………………………………………………………………………. Phone:
………………………………………………..

/Expert-Electronics visit **www.bandaaudioparts.com**

FAQs

Q: Can I adjust the input sensitivity of each channel individually?
A: Yes, the Expert Electronics Processor allows independent gain control per channel.

Q: How do I reset the processor to factory settings?
A: To reset the processor to factory settings, change the password back to the factory password (0000) and reset the device.

Documents / Resources

	EXPERT ELECTRONICS PX-1 Line Connect Digital Audio Processor [pdf] User Manual PX-1, PX-1 CONNECT, PX-1 Line Connect Digital Audio Processor, Line Connect Digital Audio Processor, Connect Digital Audio Processor, Digital Audio Processor, Audio Processor, Processor

References

- ▥ **Banda Audioparts – Automotive Sound Amplifier Modules**
- **User Manual**