

PDX16

POWER DISTRIBUTION SYSTEM

OPERATION MANUAL

FEATURES

- By using high capacity batteries, it enables servos to be powered reliably.
- Integrated electric switch for added safety.
- Capable to use for any other radio manufacturer systems, as it only by-passes the signals.
- For serial bus connection, Separate sold Bus adapter shall ease the connection to the unit.

Thank you for purchasing this product.

To allow correct and safe use of this product, please read this operation manual

DANGER

Failure to follow these instructions can cause serious injury or death to the user or others.

- Do not use this product in the rain as water may cause electronic devices to malfunction.
- This product carries a risk of injury due to heat, fire and electric shock.
- Never disassemble or modify this product.
- Only use the correct input voltage.
- Be sure to check the polarity when you input the battery connector to this product.
- Reversing connection/polarity may damage this product.
- Be sure to check the battery capacity upon operating this product, if the battery capacity is under the operational voltage, this product may not function properly.
- Please check that all screws are securely tightened on product.
- Do not use this product if there is even slight damage to the wire harness, connectors, or other assemblies.
- Properly secure excess wires in place to avoid excess movement and damage.

SPECIFICATION

- Product name: PDX 16
- Dimensions: 2.36 x 3.54 x 0.59 inch / 60x90x15 mm
- Weight: 3.44oz/ 97.5 gram
- Operating voltage: under 12.6 V
- Connection Port: 16 ports

CONTENTS

- PDX16(This product)
- Serial Bus Adapter (2)
- E-Switch Adapter
- 8chSignal Cables (2)
- Accessory
- Manual

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Quick feature on this product.

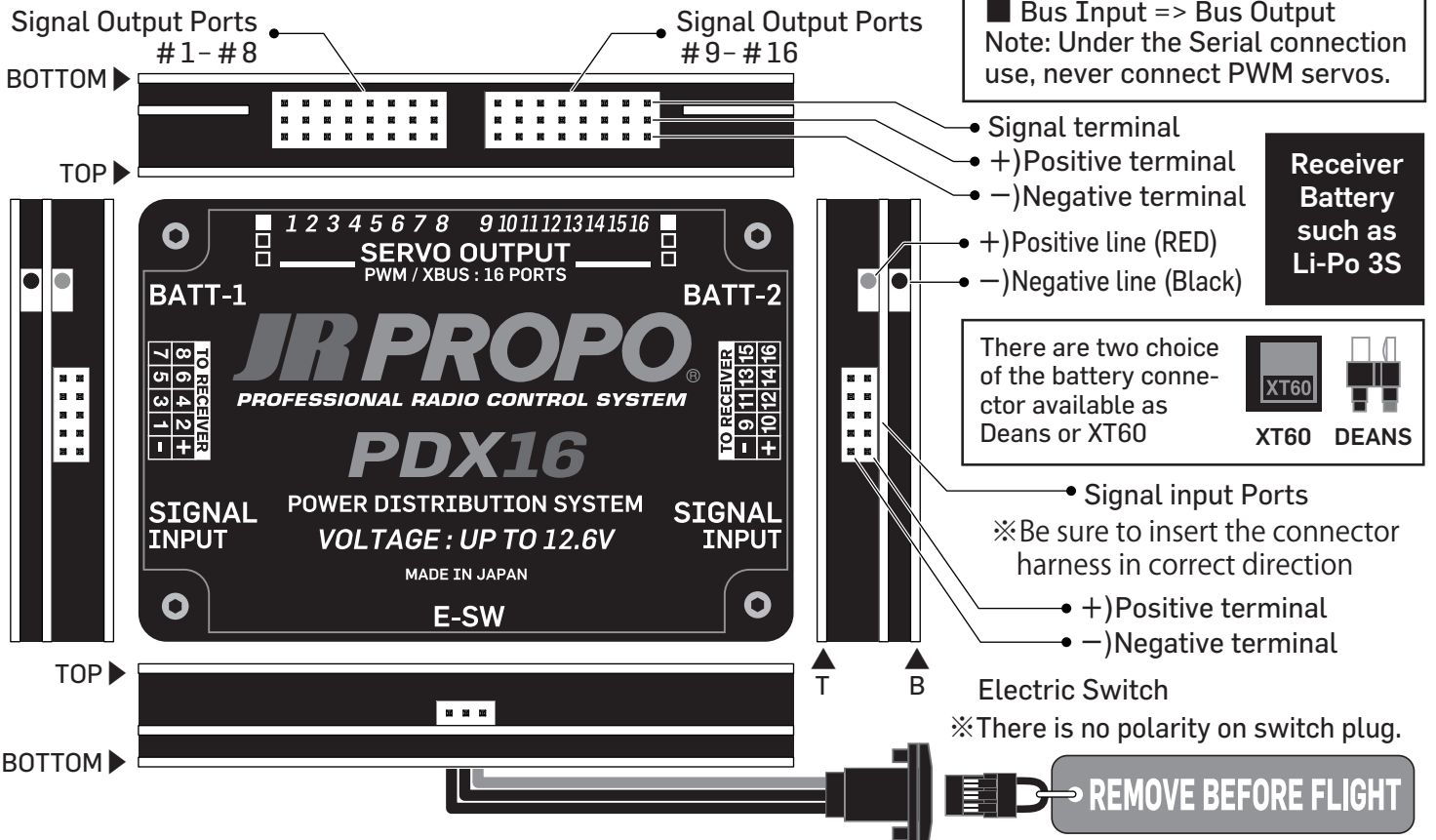
- Using a high capacity , the PDX16 by-passes the receiver, delivering maximum reliable power directly to the servos. The PDX16 safely delivers the correct voltage requirements to the receiver. The receiver now delivers only the control signals to the servos through the PDX16, not the power.
- PDX16 works with both PWM and Serial Bus technology and is compatible with most other radio manufacturer' s systems.
- PDX16 is compatible with super hi voltage servos (12v)3S Li-Po(12.6v) packs can be used with 12v super high voltage servos.

配置図



Be sure to check the polarity before actual insertion of the connectors.

This product shall feed the exact input voltage to the servo operating voltage. Be sure to use specified voltage on the servo.



CONNECTION DIAGRAM-1

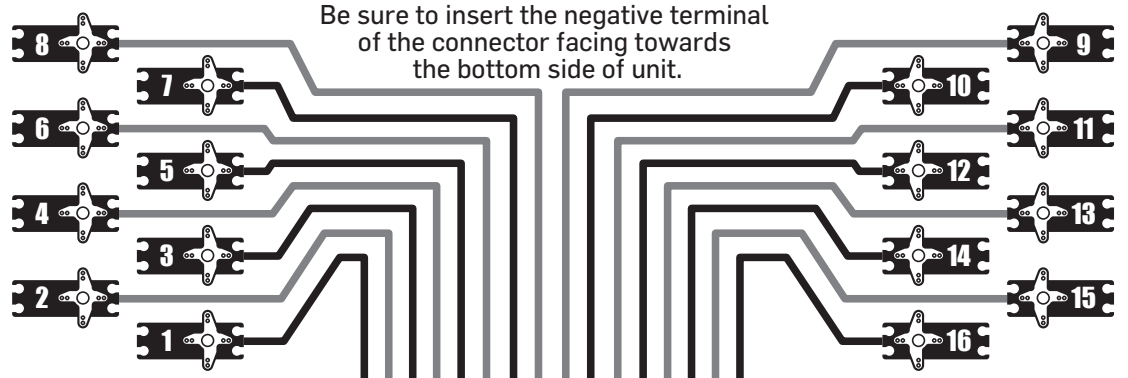
PWM Connection by using the 8channel signal harness



Be sure to check the polarity before actual insertion of the connectors.

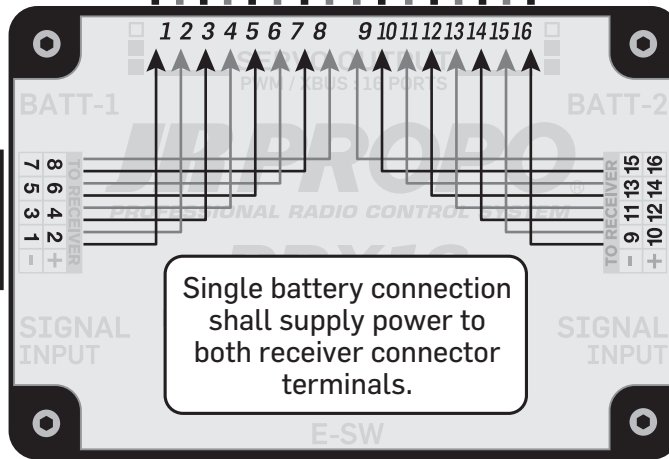
Input PWM signal shall output to the same number of servo output port.

*Note on Current JR servo harness: White wire is the signal wire, center wire is Positive and the other side is negative.



Connection list in 8ch receiver and 8ch PWM signal harness

RX ch	Color of harness
8ch	Black
7ch	White
6ch	Gray
5ch	Purple
4ch	Blue
3ch	Green
2ch	Yellow
1ch	Orange
+	Red
-	Brown



8ch RECEIVER
【2】 PWM OUTPUT

REMOVE BEFORE FLIGHT

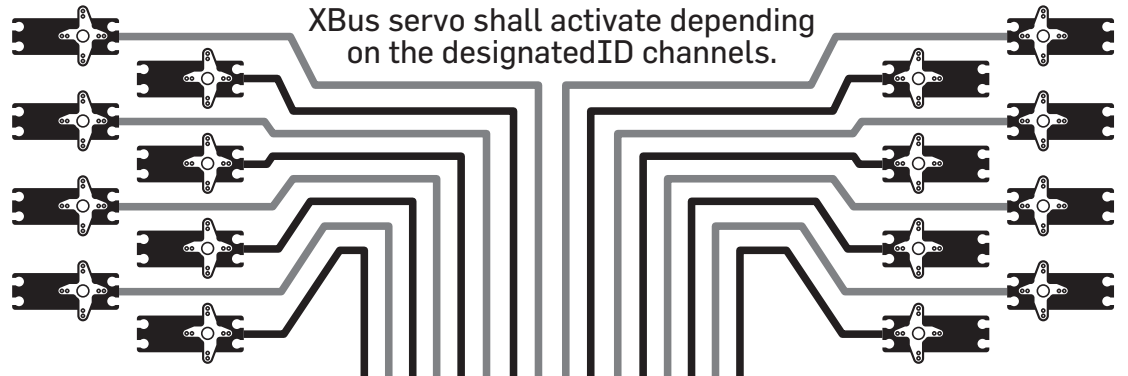
CONNECTION DIAGRAM-2

Serial Bus connection by using separate sold Bus adapter



Be sure to check the polarity before actual insertion of the connectors.

Input XBus signal shall output to every servo out port.

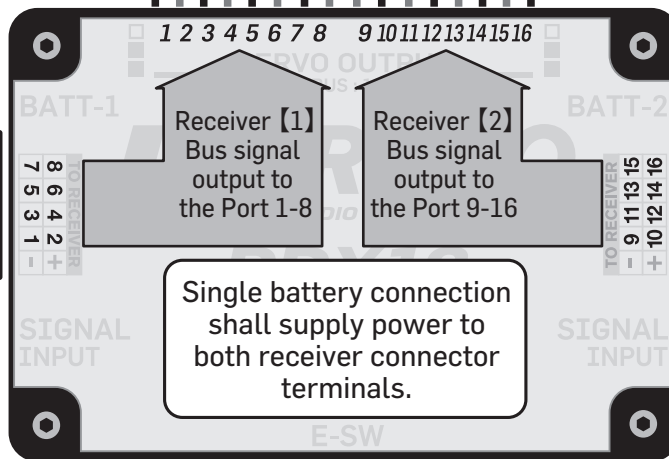


Serial bus adapter

Serial Bus channel shall be decided by the program on the transmitter



• Signal terminal
• + terminal
• - terminal



RECEIVER
【1】 XBUS OUTPUT

RECEIVER
【2】 XBUS OUTPUT

PWM servo require to use separate sold PWM converter on XBus serial connection.

This product shall feed the exact input voltage to the servo operating voltage.
Be sure to use the specified voltage on the servos.

JR PROPO
PROFESSIONAL RADIO CONTROL SYSTEM

CONNECTION DIAGRAM-3



Be sure to check the polarity before actual insertion of the connectors.

Diagram showing the connection of XBus receiver and Barvarian Demon's "CORTEX PRO"

Insert Lead Harness "B" connector to CORTEX PRO on port "A and "B" from XBus receivers.

Note: Port "B" is the primary port on single serial Bus connection.

Insert the Serial Bus adapter's connector to PDX16 from CORTEX PRO terminal 5 and 6.

PDX16 shall output XBus Serial signals on all the servo output port.

Note: Failsafe function must be set at CORTEX PRO

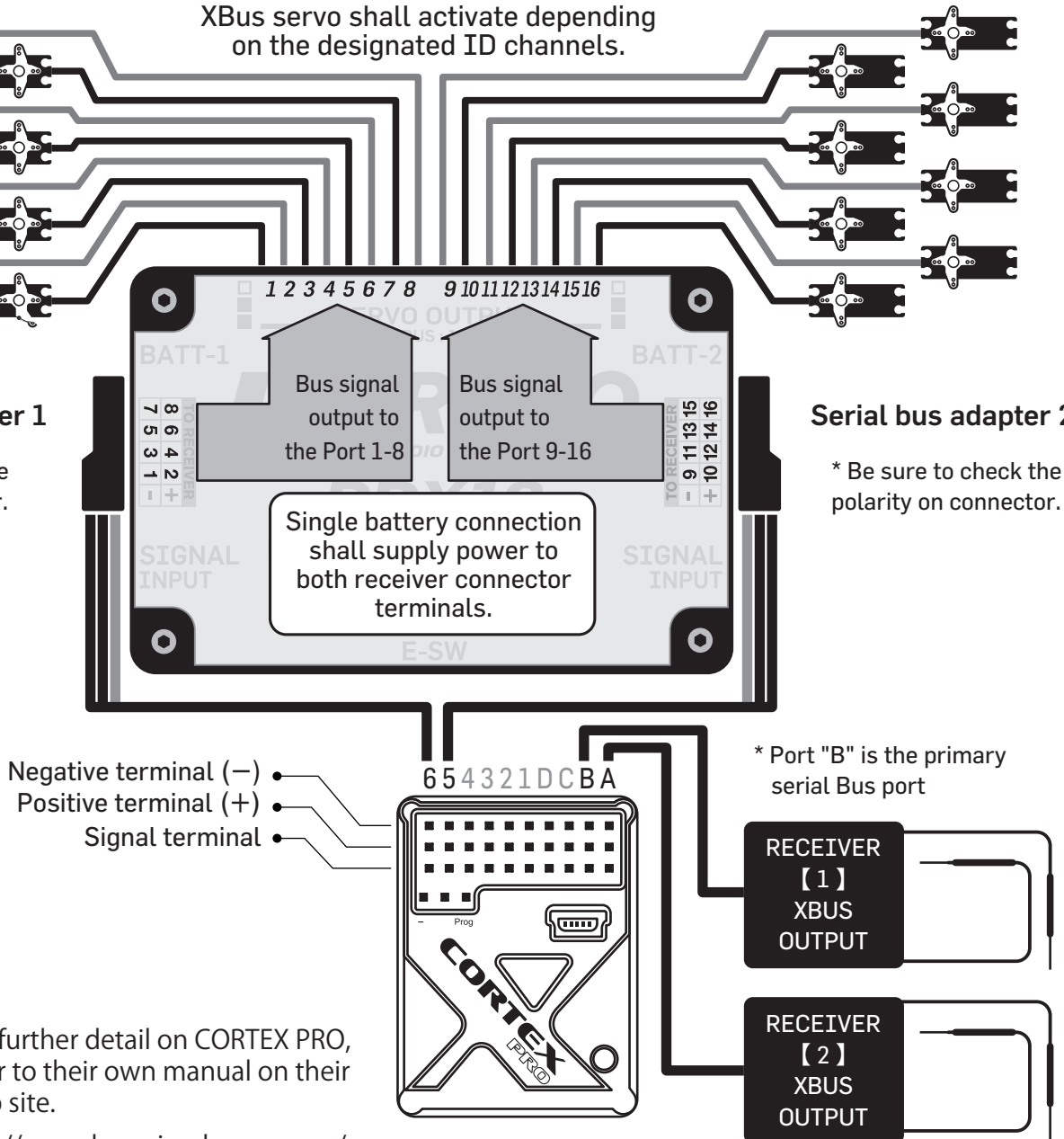
XBus servo shall activate depending on the designated ID channels.

Serial bus adapter 1

* Be sure to check the polarity on connector.

Serial bus adapter 2

* Be sure to check the polarity on connector.

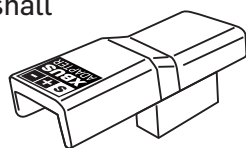


※For further detail on CORTEX PRO, refer to their own manual on their web site.

<https://www.bavariandemon.com/>

Serial bus adapter

Serial Bus channel shall be decided by the program on the transmitter



• Signal terminal
• + terminal
• - terminal

PWM servo require to use separate sold PWM converter on XBus serial connection.

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