

# ARX Series Instructions

## FM-PPM 4, 6 & 8 Channel Single Conversion Universal Receiver

Please read these instructions carefully for the safe operation and best performance from your ARX Receiver before flying.

### PRECAUTIONS

1. Check that your transmitter and receiver have the same brand of crystal and frequency crystal installed.
2. Check the polarity and integrity of connections, when plugging servo connectors into your receiver.
3. You will not do any damage to your receiver if the servo plugs are inserted backwards, the servo will just not work, reverse the plug for proper operation.
4. Always turn on the transmitter power first, before you turn on the receiver battery. When you turn the system off, always turn the receiver off first, and then the transmitter.
5. Always do a range check of your equipment, extend transmitter antenna one section and walk around 50 ~ 70m from the receiver and check there is no servo jittering.
6. Never use a receiver that has been in a crash without having it checked first by a qualified radio service facility.

### INSTALLATION AND OPERATION

1. **Crystals:** the auto-shift function allows you to use Hi-Band and Lo-Band **HC-50 STD** type crystals in all of ARX Universal receivers, make sure your use same brand of crystal in both transmitter and receiver.  
For example JR RX x'tal connect to JR TX x'tal, or Futaba RX x'tal connect to Futaba TX x'tal. <Correct>  
For example JR RX x'tal connect to Futaba TX x'tal, or Futaba RX connect to Sanwa TX x'tal. <Wrong>
2. **RX Installation:** To protect the receiver we strongly recommend you wrap it in vibration absorbing foam, ensure that your receiver is adequately protected from moisture and liquids. Install your receiver in the model and fix it securely.
3. **<Important for 8CH RX> CHANGING THE PHASE SHIFT in Hi-Bend or Lo-Bend**  
You must select Futaba(Lo-Bend) or JR(Hi-Bend) system, using the phase shift selector switch that is fitted to the left side of the casing, otherwise, its will not be operate properly.  
For Alturn, Futaba & Hitec (Lo-Bend) switch to Positive (POS+) position.  
JR & Sanwa & Airtronics (Hi-Bend) switch to Negative (NEG-) position.
4. **Receiver Antenna:** Do not alter the length of antenna (100cm/39in) or coil it up as range will be reduced, always carry out a range check prior to flight, always ensure the receiver antenna is positioned securely and safely in your model.
5. **Connections Positive/Negative as below CAD (Positive on centre pin)**



## **Contact & Warranty Information**

The Alturn USA company covers warranty for one year from date of purchase to be free from manufacturing and component defect, this warranty doesn't cover abuse, neglect, or damage due to incorrect wiring, over voltage, or overloading. If you have any questions or have any problems, or wish to repair then please contact our support team directly:

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