



XP3D

3CH Computerized Digital Radio Control System



No. 29154
No. 29155
No. 29156
No. 29157
No. 29158



Please read all instructions thoroughly before operating this device.

The contents are subject to change without prior notice due to product improvements and specification changes.

INSTRUCTION MANUAL

XP3D

INTRODUCTION

Congratulations on your purchase of Team Associated's XP3D Computerized Digital Radio Control System. Designed using state-of-the-art IT technology, the XP3D will advance and simplify the control of your model while providing many years of enjoyment. Standard features include a 10-model memory, large LCD display, digital trims, AUX channel 3 button, and many other advanced programming functions. Before installing and operating your new radio system, please take a few minutes to familiarize yourself with the various features of the system by reading this instruction manual thoroughly.

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FEATURES

TRANSMITTER



- Easy-to-read LCD display
- 10-model memory
- Interchangeable plug-in RF module
- Electronic digital trim levers for throttle and steering
- Steering/Throttle sub-trim
- Steering/Throttle/AUX EPA
- Steering/Throttle/Brake ARC adjustment
- Steering dual-rate adjustment
- Battery voltage indicator
- Adjustable steering wheel tension
- Low battery alarm

RECEIVER

- Super-Heterodyne for extra long range
- Interchangeable crystals
- Multi-signal intensified input jamming ratio



SYSTEM CONTENTS

Item	XP3D Radio System	
Item No.	29154, 29155, 29156, 29157	29158
Transmitter	XP3D	XP3D
Receiver	TR301F	Not Included
Servos	Not Included	Not Included
Accessories	Switch harness x 1, Receiver Battery holder x 1, Frequency flag x 1	Not Included
		

SPECIFICATIONS

Transmitter	XP3D
Configuration	Pistol Grip
Encoder	3-Channel Computer System
Frequency(MHz)	FM 26/27/40/75
Modulation	FSK PPM
Current Drain	150mA@9.6V
Bandwidth	+/-10KHz/ +/-40db
Power Requirement	9.6V/8 cell AA Battery
Dimension (w/o Antenna)	220x99x182mm / 8.66x3.89x7.16in
Weight (g/oz)	443g/15.59oz

Receiver	TR301F
Frequency(MHz)	FM 26/27/40/75
Channel	3Ch
BEC	NO
Modulation	FSK PPM
Single Conversion	455KHz
Channel Spacing	10KHz
Battery Power	4.8-6V 4 cell / 5 cell
Current Drain	35mA@6V
Dimension-mm/in	35.6x26x15 mm / 1.40x1.02x0.59in
Weight(g/oz)	10g/0.35oz

XP3D



- 1 Transmitter Antenna
- 2 Blue LED Power Indicator
- 3 Edit Buttons
- 4 LCD Display
- 5 Digital Steering Trim Lever

- 6 Digital Throttle Trim Lever
- 7 Digital Steering D/R Lever
- 8 AUX Channel 3 Button
- 9 External Charging Jack
- 10 RF Module and Crystal

- 11 Steering Wheel
- 12 Power Switch
- 13 Throttle Trigger
- 14 Steering Tension Adjustment
- 15 Battery Cover



TRANSMITTER CONTROLS

- 1. Transmitter Antenna:** Never operate the transmitter without completely extending the antenna. Failure to do so may result in reduced operating range and/or interference to other modelers.
- 2. Power Indicator:** The blue LED light indicates when the power is on.
- 3. Edit Buttons:** The left and right buttons are the function selecting keys. The up (+) and down (-) buttons are the value adjusting keys. Please refer to the Function settings procedure (Page 7) for detailed operations.
- 4. LCD Display:** The XP3D transmitter features an Easy-to-Read display design. All the settings functions are printed and shown on the display. Use the Edit Buttons to select the function (left and right key) and the setting (up and down key). Please refer to the Function settings procedure (Page 7) for detailed operations.
- 5. Digital Steering Trim Lever:** Push this lever left or right to adjust the center point of the steering servo. While adjusting, the cursor will move along the top ruler line of the LCD screen to indicate the current position. Adjust the steering trim in small increments until your model runs straight.
- 6. Digital Throttle Trim Lever:** Push this lever up or down to adjust the center point of the throttle/brake servo. While adjusting, the cursor will move along the left ruler line of the LCD screen to indicate the current position. Adjust the throttle trim in small increments to set the desired drag brake effect.

NOTE:

With the Digital Throttle Trim function, the maximum throttle servo travel setting will not affect the full throttle position setting. With the Digital Steering Trim setting, the maximum steering servo travel setting will change on both left and right sides. If set incorrectly, interference with the mechanical limits of your model may bind the steering linkage or possibly damage the steering servo.

- 7. Digital Steering D/R (Dual Rate) Lever:** Push this lever left or right to adjust steering servo travel - right to increase, and left to decrease.
- 8. AUX Channel 3 Button:** Provides an extra function (or channel) to control your model's movements.
Example: Used to select from forward or reverse in servo operation.
- 9. External Charging Jack:** Input for the optional TX/RX charger when using a rechargeable NiCd or NiMH battery pack.
- 10. RF Module and Crystal:** The crystal is plugged into the RF module and the module is plugged into the transmitter. Both AM & FM modules with different frequencies (26/27/40/75) are available for the XP3D radio system. Just press the tabs on both sides of the module with your thumb and finger while pulling it outward to remove the module from the transmitter.

NOTE:

It is recommended that only Team Associated crystal sets be used with the XP3D system and that both transmitter and receiver crystals be changed at the same time.

- 11. Steering Wheel:** Controls the steering of the model.
- 12. Power Switch:** Slide to turn the transmitter on or off. Between ON and OFF, there is a DISPLAY selection. When the switch is placed in the DISPLAY position, you can use the edit buttons and trim lever to set all the transmitter functions without causing frequency interference to anyone else using the same frequency in your running area. You cannot use the transmitter to drive the model in this mode.
- 13. Throttle Trigger:** Pull or push to control the movement of your model.
- 14. Steering Tension Adjustment:** Use a Phillips head screw driver to turn the screw clockwise or counter-clockwise to increase or decrease the tension of the steering wheel.
- 15. Battery Cover:** Slide to remove the cover for installation or removal of batteries.

INSTALLATION

Transmitter Battery Replacement/Installation

Slide the battery cover in the direction indicated to install 8 AA (or UM 3x8) cells into the transmitter. Close the battery cover, making sure it is secure. Turn the power switch on. If the LED fails to light, check the batteries for insufficient contact or incorrect polarity.



CHECK:

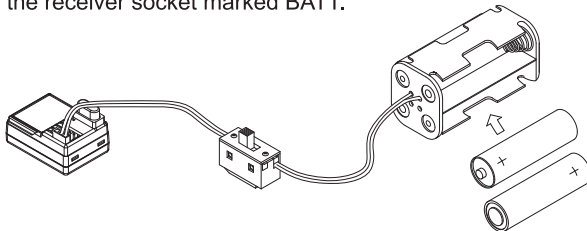
- Use only fresh alkaline or rechargeable batteries, all of the same brand, all of the time.
- Make sure that the contacts in the battery holder stay clean by using a pencil eraser to gently remove any corrosion or dirt that may accumulate on them. It is recommended that this be done each time new batteries are installed.
- If you choose to use a rechargeable 9.6V battery pack, remove the battery holder by unplugging it from the transmitter. Then plug the battery into the transmitter.
- When a rechargeable battery pack is installed in the transmitter, it can be charged via the external charging jack using the optional TX/RX charger.

⚠ CAUTION:

- Do not attempt to charge alkaline batteries, they may explode!!!
- When using a rechargeable battery, set the power switch to the OFF position before charging. The charger plug must be the correct type (+ inside and – outside, TAMIYA N-3U or equivalent). Personal injury or damage may occur if the wrong type is used!
- Always be sure the batteries are installed in the correct polarity order. If the batteries are installed incorrectly, the transmitter may be damaged.
- When the transmitter will not be used for a long period of time, remove the batteries to prevent damage.

Receiver Battery Replacement/Installation

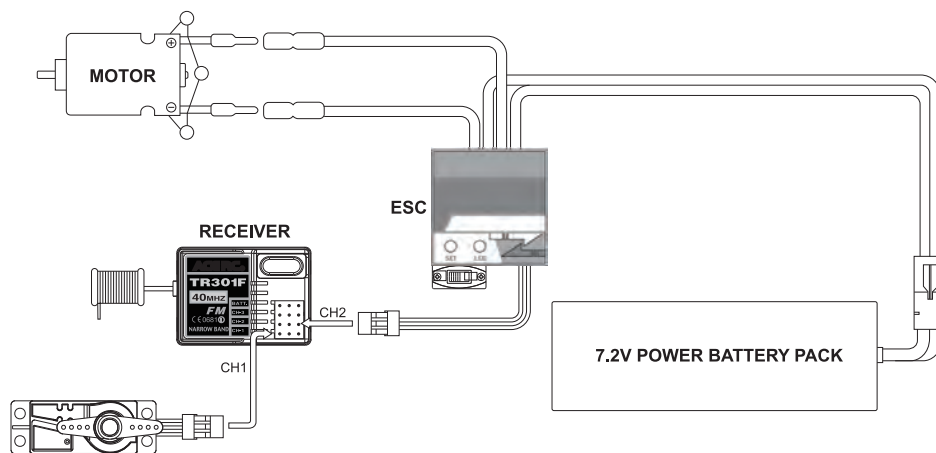
Insert 4 fresh AA cells into the receiver battery holder. Make sure that the batteries are installed in the correct polarity order. Maintain the battery contacts in the same way as described in the previous section. Insert the switch harness plug into the receiver socket marked BATT.



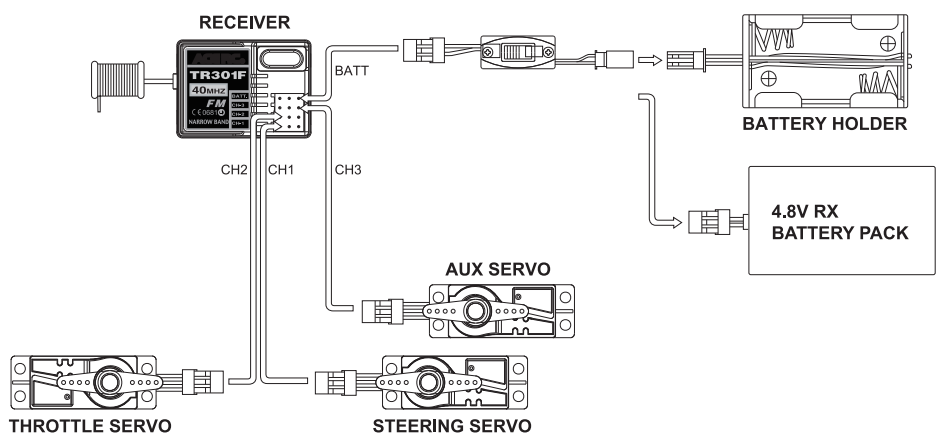


Radio Installation

Before installing your radio system, connect the receiver, servos, and switch harness battery pack (when applicable) as shown. In addition to checking for proper operation, this bench test will help you become familiar with the operation of your system. Once all components have been connected, extend both the transmitter and receiver antennas to their full length. Begin by turning on the transmitter, followed by the receiver/ESC switch. Make sure that all servos and trim levers are operating and take a few moments to play with your system. After completion of your bench test, turn off the receiver/ESC switch, followed by the transmitter. You are now ready to install the components using the instructions provided with your model.



Electric Power Model Installation

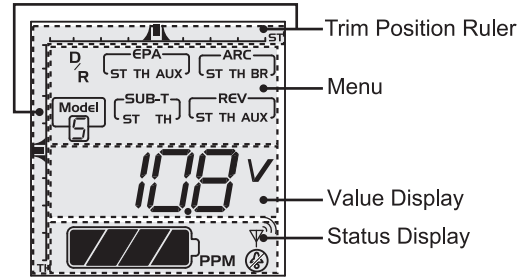


Gas Power Model Installation

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FUNCTION

There are four main areas on the screen. They are Menu, Value Display, Status Display, and Trim Position Ruler. Using the left and right Edit Buttons, the cursor will be moved to the function you would like to edit. When you enter the Menu function, you can press the up and down Edit Buttons to edit the values. After setting the desired values, use the right and left buttons to move the cursor to the other functions and the previous values will be saved.



1. Power On

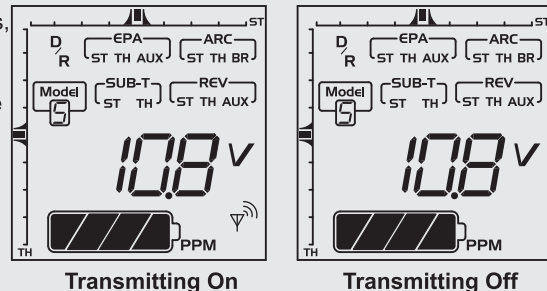
Slide the Power Switch up to turn on the radio. You will hear a short Beep tone. Then on the display, the Model Number (Model) will be shown in the Menu area. The battery voltage value (10.8V) will be shown in the Value Display area. The Battery Voltage Status Diagram (Battery icon) / transmitter system (PPM) / tone setting (RF icon) / RF Transmitting on / off (RF icon) will also be shown in the Status Display area.

On the top and left ruler line of the screen, the current neutral position of the steering and throttle servos will be shown on the top and left Trim Position Rulers.

If the radio system and RF module are correct, and the switch is set to the ON position, the RF Transmitting sign (RF icon) will be shown in the Status Display to make sure you are using the current model number setting for your model. Use the Edit Buttons to start the programming procedure. The following are the set-up procedures and details described for each function.

NOTE:

- 1) The current battery status can be easily read from the voltage value or battery status diagram. Charge or change the battery when the voltage is lower than 8.8V.
- 2) For the radio RF system, the XP3D has adopted the PPM system, so PPM, will be shown on the display all the time.
- 3) If you plan to study all the function setting procedures, or to adjust the functions data, we strongly suggest you cancel the RF transmitting function before executing the setting procedure. You can remove the RF module or put the power switch in the DISPLAY position. You will see that the RF transmitting sign (RF icon) will not be shown on the display.



2. Audio On/Off Beep Setting “RF”

Default “Audio On” mode

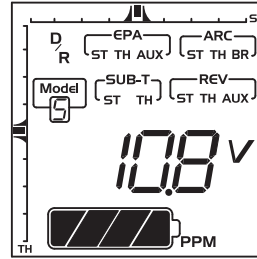
The default setting of the audio beep sound is On. So, there will be no icon shown in the right lower display screen. Under the Audio On mode, you can hear a Beep sound when you press the edit button or digital trim lever. If you don't like the Audio On mode, you can turn it off and switch to the Silent mode using the following procedure.

When you switch to the Silent mode, the silent icon (circle with a slash) will be shown in the right lower Status Display.

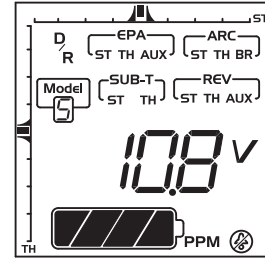


- 1) Turn the radio off.
- 2) Press the up (+) & right (>) edit buttons and hold them.
- 3) Turn the radio on, and you will hear a short Beep tone (power on) and later a long Beep tone (finish tone for mode switching). Then release your finger on the up (+) edit button.

NOTE:
Repeat the previous procedure to switch the Audio Off silent mode to the Audio On mode.



Audio On Mode



Audio Off Mode

3. D/R (Dual Rate) $\frac{D}{R}$

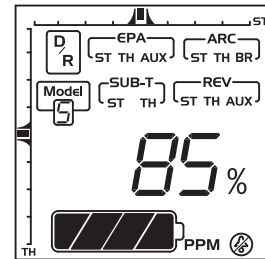
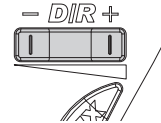
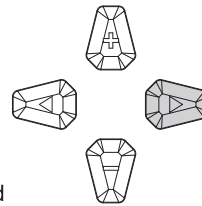
Default	100%
Adjusting Range	0%~150%

Press the right edit button, then move the cursor to D/R and the steering servo dual rates setting function. In the Value Display, the current D/R value will be shown. Use the up and down edit buttons to adjust the value.

This D/R function adjusts the overall travel of the steering servo. The steering servo left and right steering angles will be adjusted simultaneously.

More travel (higher D/R %) means more sensitivity for the steering wheel operation.

You can also use the Digital Steering D/R (Dual Rate) Lever to adjust the D/R value all of the time, even if the function selecting cursor is not under the D/R mode.



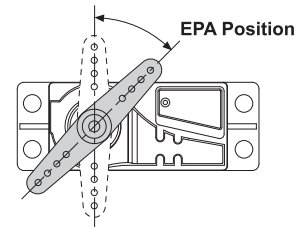
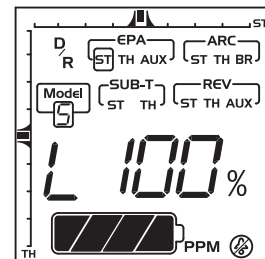
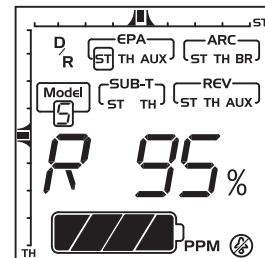
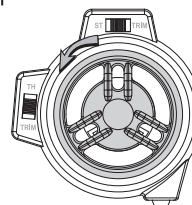
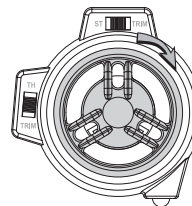
4. EPA (End Point Adjustment) $\frac{EPA}{ST TH AUX}$

The EPA (End Point Adjustment) function determines the maximum travel of the end points for each servo. The individual EPA can be set with different values for both traveling sides. Move the cursor to the channel you select to start the setting procedure.

4.1) EPA / ST $\frac{EPA}{ST TH AUX}$

Default	100%
Adjusting Range	R 0%~120%, L 0%~120%

This function adjusts the right (R) and left (L) maximum steering angle. When entering this mode, the right side steering angle EPA setting will be started first. In the Value Display area, "R" and the current EPA value will be shown. Use the up/down buttons to adjust the value to set the steering servo's right side traveling EPA setting. Turn the steering wheel to the left side, then the "R" on the display will switch to "L" and you can adjust the value to set the steering servo's left side traveling EPA setting. In this mode, use the steering wheel to choose the direction you would like to set.



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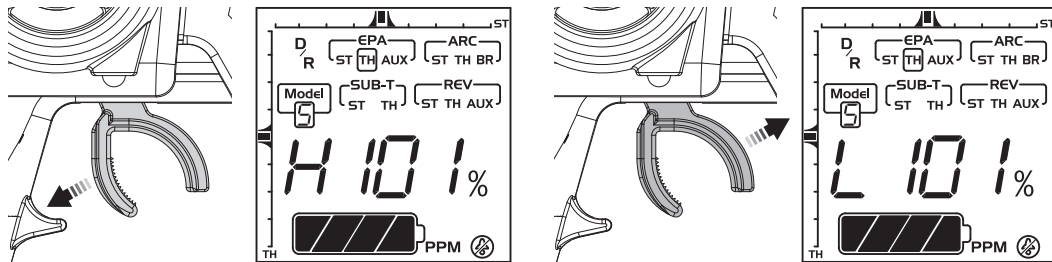
NOTE:

If the maximum servo travel is interfering with the mechanical limits, it will cause the linkage to bind or even damage the servo. The best way to set the steering EPA is to hold the steering wheel in the full turn position, adjust the EPA to the suitable value, and make sure the steering linkage does not bind.

4.2) EPA/TH 

Default	H 100%, L 100%
Adjusting Range	H 0%~140%, L 0%~160%

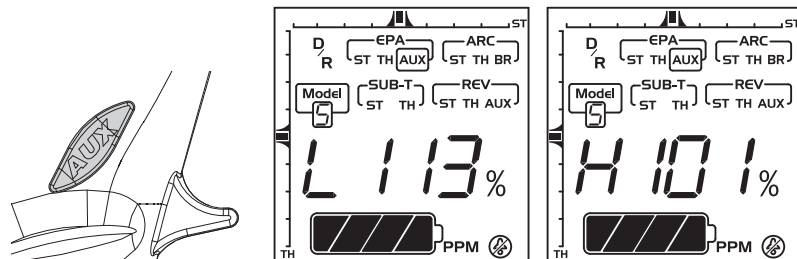
This function adjusts the full throttle (H) and low brake (L) operating amount. To enter the EPA/TH setting mode, pull the trigger back, the "H" will be shown on the left side of the Value Display and the current EPA value will be shown beside the "H". Use the up/down buttons to adjust the value to set the full throttle EPA setting. However, when using an ESC with electric powered models, set the value of "H" to 100%. Push the trigger forward and "H" will be changed to "L", then use the up (+) / down (-) buttons to adjust the value to set the brake EPA setting.



4.3) EPA/AUX 

Default	100%
Adjusting Range	H 0%~150%, L 0%~150%

This function adjusts the auxiliary third channel EPA. Enter the EPA/AUX setting mode the same way as the previous steering and throttle EPA setting procedures. You can press the AUX Channel button to select each side of the servo travel setting. On the display, it will show "H" and "L" to represent the different side EPA settings.



5. ARC (Adjust Rate Control) 

This ARC function changes the corresponding movement curve of the servo and operating stick (steering wheel and throttle trigger). When ARC is 0%, the movement curve is linear. The default ARC percentage value is 0%. The detailed settings and effects of this function are described on the next page.

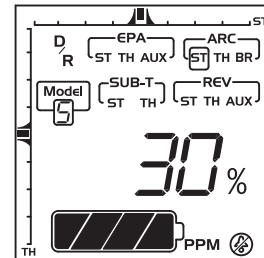
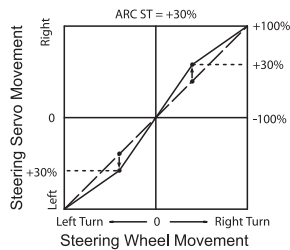
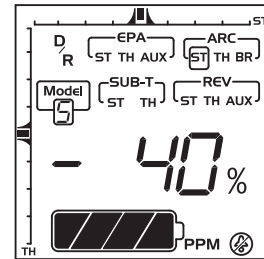
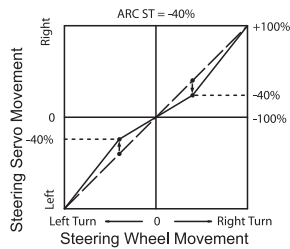


5.1) ARC/ST

Default	0%
Adjusting Range	-100%~100%

This function changes the sensitivity of the steering servo around the neutral position. This value setting will affect both sides (left and right) of the steering servo movement at the same time and same percentage.

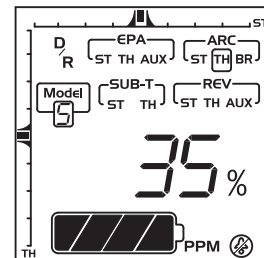
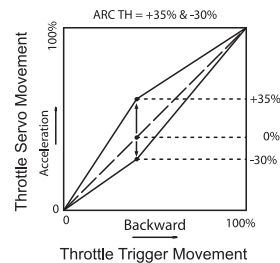
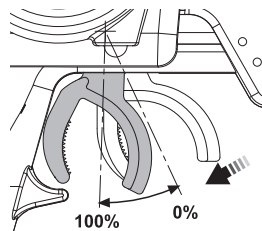
Negative steering ARC setting will make it less sensitive (slower) around the neutral point operating area and faster out of the neutral point area. Positive steering ARC will have the opposite effect.



5.2) ARC/TH

Default	0%
Adjusting Range	-100%~100%

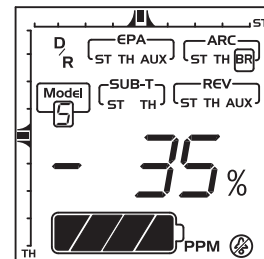
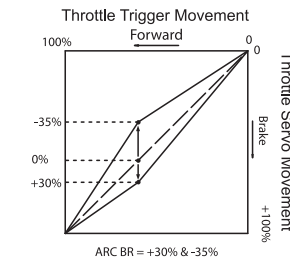
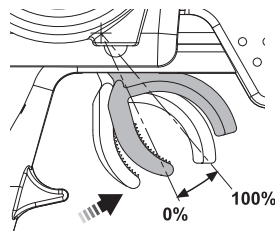
This function adjusts the sensitivity of the acceleration. On the throttle servo, this value adjusts the curve from the neutral point to the full throttle position. Normally, positive ARC/TH will increase the "punch" feeling and negative ARC/TH will widen the power band.



5.3) ARC/BR

Default	0%
Adjusting Range	-100%~100%

This function adjusts the sensitivity of the brakes. On the throttle servo, this value adjusts the curve from the neutral point to the throttle closed position. Positive ARC/BR will have quick braking and negative will have mild braking.

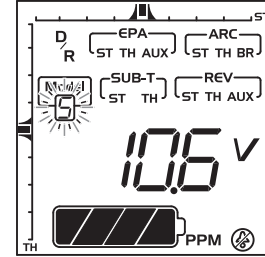


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6. Model Number

Default	Model 0
Adjusting Range	Model 0-9

There is space for 10 different models in the memory code (Model 0-9). When you enter this function mode, the model number will flash and show in the Model Number icon. You can use the up (+) / down (-) buttons to choose which model you want. When the radio is turned on, the model that you chose previously will be recalled and show the model number on the model icon. Under the model number you choose, any changes to the function data will be saved automatically.



7. SUB-T (Sub Trim)

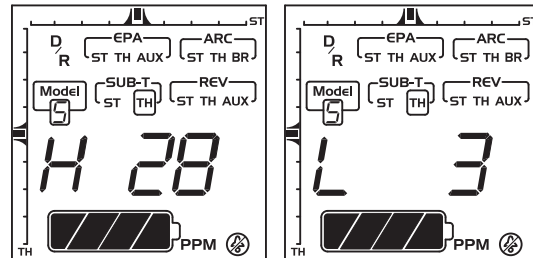
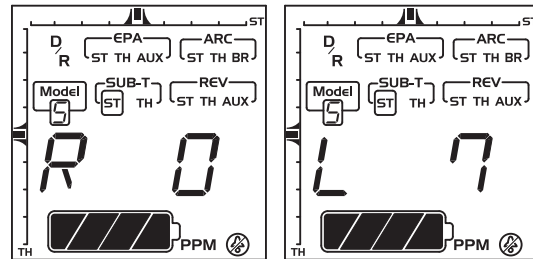
ST (Steering)

Default	R 0
Adjusting Range	L125~R125

TH (Throttle)

Default	H 0
Adjusting Range	L125~H125

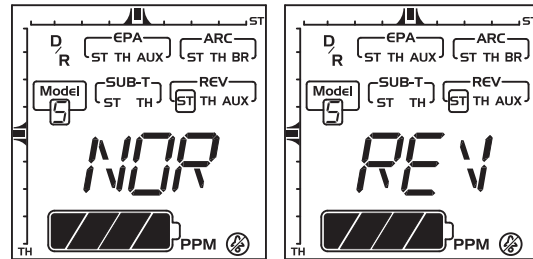
The SUB-T(Sub-Trim) function is for minor adjustments to the neutral point of the steering and throttle servos. Use the up (+) / down (-) buttons to make the adjustments. Under the SUB-T/ST mode, use the up (+) button to increase the movement of the steering servo's neutral point toward the right side and use the down (-) button toward the left side and over the default neutral point, then the "R" will be changed to "L". The SUB-T/TH mode adjusts the throttle servo. Use the same adjustment process as the SUB-T/TH, but note that the characters will be changed from R/L (right/left) to H/L (high/low).



8. REV (Reverse)

Default	NOR
Adjusting Range	NOR/REV

The REV (Reverse) function reverses the rotation direction of the servos related to the transmitter operation. Enter this mode, the NOR (Normal) or REV (Reverse) will be shown on the display and can be switched by pressing the up (+) or down (-) buttons to change the direction. For each individual servo (Steering, Throttle & AUX), rotation direction can be changed to match the correct operating requirements.





FREQUENCY LIST

There are four frequency bands (26Mhz, 27Mhz, 40Mhz, 75Mhz) available for the XP3D. You should choose the suitable band to match your country's regulations. The following table shows the different frequencies (crystals) available in each band.

26MHz		27MHz			40MHz		75MHz	
FREQUENCY	CH NO.	FREQUENCY	CH NO.		FREQUENCY	CH NO.	FREQUENCY	CH NO.
			EU/US	Japan				
26.815	261				40.665	50	75.410	61
26.825	262	26.975	***	1	40.675	51	75.450	63
26.835	263	26.995	4	2	40.685	52	75.630	72
26.845	264	27.025	***	3	40.695	53	75.670	74
26.855	265	27.045	9	4	40.715	54	75.890	85
26.865	266	27.075	***	5	40.775	58	75.930	87
26.875	267	27.095	14	6	40.825	82		
26.885	268	27.125	***	7	40.885	86		
26.895	269	27.145	19	8	40.965	90		
26.905	270	27.175	***	9	40.985	92		
		27.195	24	10				
		27.225	***	11				
		27.255	30	12				

(Not available in the U.S.A.)

(Not available in the U.S.A.)

Each frequency is assigned a colored flag. Attach this flag to the end of your transmitter antenna so that other modelers can determine your frequency from a distance. This is very important since it is not possible for more than one model to operate on the same frequency at the same time.

FCC RULES AND REGULATIONS

You are responsible for the proper operation of your station (transmitter) at all times and are responsible for observations, servicing, and maintenance as often as may be necessary to ensure proper operation. Each internal repair and each internal adjustment to an FCC type accepted R/C transmitter must be made in accordance with the technical regulations specified by the FCC. The internal adjustments should be performed by, or under the immediate supervision and responsibility of, a person certified as technically qualified to perform transmitter maintenance and repair duties in the private land mobile services and fixed services by an organization or committee representative of users in those services.

The FCC at this time does not require the modeler to obtain a special license for the operation of this unit. However, it is still the owners responsibility to observe all FCC rules & regulations governing its use. For a copy of these rules write to: Federal Communications Commission, Washington, DC 20554

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices)

XP3D

USING CAUTION AT THE RACE TRACK

- Always check if there is anyone operating on the same frequency as you. If so, make sure that you don't turn your transmitter on at the same time.
- Do not operate the model or use the radio in rain, lightning, or at night.
- Do not operate the model or use the radio if you have been drinking alcohol or are under the influence of any other substance that will affect your skills.
- Always check battery power before you operate.
- Always keep your transmitter clean. Clean it with a mild detergent or window cleaner if any fuel, oil, dirt, or dust has accumulated.
- Keep out of reach of children.
- Do not store the radio in temperatures below -10° C (14° F) or above 40° C (104° F) or in a humid, dusty, or high-vibration environment. Keep the radio away from direct sunlight.
- To prevent corrosion, take out the batteries if you are going to store the radio for an extended period of time.
- The servos will glitch +/- 25° if there is any frequency near or at about 200-250 MHz nearby when using this radio.

ACCESSORIES



29158
XP3D Transmitter Only



29120
XP2 Transmitter Only
29121 (shown)
XP3 Transmitter Only



29150 (shown)
TX/RX Charger, 110V
29149 *
TX/RX Charger, 100V
29148 *
TX/RX Charger, 230V/2P
29147 *
TX/RX Charger, 230V/3P



29130 AM27MHz 2CH,
TR203A Micro
Receiver



29122 AM27MHz 2CH,
TR202A Receiver



29123 AM27MHz 4CH,
TR402A Receiver (shown)
29208 * AM26MHz 4CH,
TR405A Receiver
29206 AM27MHz 4CH,
TR405A Receiver
29207 * AM40MHz 4CH,
TR405A Receiver



29168 * FM26MHz 3CH,
TR301F Receiver
29164 FM27MHz 3CH,
TR301F Receiver (shown)
29169 * FM40MHz 3CH,
TR301F Receiver
29165 FM75MHz 3CH,
TR301F Receiver



29160 AM27MHz,
Transmitter RF Module
29159 * FM26MHz,
Transmitter RF Module
29161 FM27MHz, (shown)
Transmitter RF Module
29163 * FM40MHz,
Transmitter RF Module
29162 FM75MHz,
Transmitter RF Module

* Not available in the U.S.A.

The crystal is not included in the RF Module and Receiver.



29124 STANDARD SERVO,
S1903
OPTIONAL PARTS:
29107 METAL GEAR SET



29125 STANDARD SERVO,
S1903MG
SPARE PARTS:
29107 METAL GEAR SET



29126 HIGH TORQUE SERVO,
S2008MG



29128 MICRO SERVO,
C1016



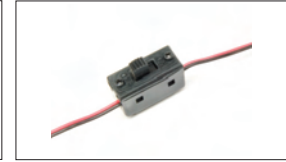
29166 DIGITAL SERVO,
DS1313
SPARE PARTS:
29211 CASE
29209 GEAR SET
29212 ACCESSORY PACK



29167 HIGH TORQUE/SPEED
DIGITAL SERVO,
DS1015
SPARE PARTS:
29211 CASE
29210 GEAR SET
29212 ACCESSORY PACK



29116 4-CELL BATTERY
HARNESS



29115 SWITCH HARNESS



AM TX+RX CRYSTAL	
ITEM NO.	FREQUENCY
29230	26.815
29231	26.825
29232	26.835
29233	26.845
29234	26.855
29235	26.865
29236	26.875
29237	26.885
29238	26.895
29239	26.905

(Not available in the U.S.A.)

AM TX+RX CRYSTAL	
ITEM NO.	FREQUENCY
29108	26.995
29109	27.045
29110	27.095
29111	27.145
29112	27.195
29113	27.255

AM TX+RX CRYSTAL	
ITEM NO.	FREQUENCY
29252	40.665
29253	40.675
29254	40.685
29255	40.695

(Not available in the U.S.A.)

FM TX+RX CRYSTAL	
ITEM NO.	FREQUENCY
29220	26.815
29221	26.825
29222	26.835
29223	26.845
29224	26.855
29225	26.865
29226	26.875
29227	26.885
29228	26.895
29229	26.905

(Not available in the U.S.A.)

FM TX+RX CRYSTAL	
ITEM NO.	FREQUENCY
29170	26.995
29171	27.045
29172	27.095
29173	27.145
29174	27.195
29175	27.255

FM TX+RX CRYSTAL	
ITEM NO.	FREQUENCY
29256	40.665
29257	40.675
29258	40.685
29259	40.695
29260	40.715
29261	40.775
29262	40.825
29263	40.885
29264	40.965
29265	40.985

(Not available in the U.S.A.)

FM TX+RX CRYSTAL	
ITEM NO.	FREQUENCY
29176	75.410
29178	75.450
29187	75.630
29189	75.670
29200	75.890
29202	75.930

Team Associated offers a complete line of rechargeable transmitter and receiver batteries. Please check with your local retailer or www.rc10.com for more information.

SERVICE / WARRANTY

Team Associated aspires to bring you the highest level of quality and service in the market. Our products are tested and raced around the world with the sole purpose of delivering state-of-the-art performance for enthusiasts of all levels. To view Team Associated's most up-to-date product information, please visit www.teamassociated.com or www.rc10.com. To purchase Team Associated products and accessories, please visit your favorite retail outlet. All Team Associated products have been carefully inspected prior to shipment. However, your Team Associated XP Series radio system is warranted to the original purchaser for one full year from the date of purchase against defects in material and workmanship. During this period, Team Associated will repair or replace, at its discretion, any defective components.

Equipment that has been mishandled, abused, improperly installed, or has been damaged due to a crash or other cause is not covered under warranty. Equipment that has been repaired or modified by an unauthorized person or agency is also void of warranty.

This warranty is for the original product only. Associated Electrics, Inc. shall not be liable for any loss or damages, whether direct or indirect, incidental or consequential, or from any special situation, arising from the use, misuse, or abuse of this product. This limited warranty gives you specific rights. You may also have other rights, which vary from state to state.

Do not return the equipment to the point of purchase as they are not authorized to honor warranty claims or perform service. Remove the radio equipment in question from the model and remove all accessories. Do not send the entire vehicle and be sure the item(s) is packed in a strong cardboard box with plenty of soft packaging material. We recommend using a shipper's tracking service. Team Associated is not responsible for any items lost in transit.

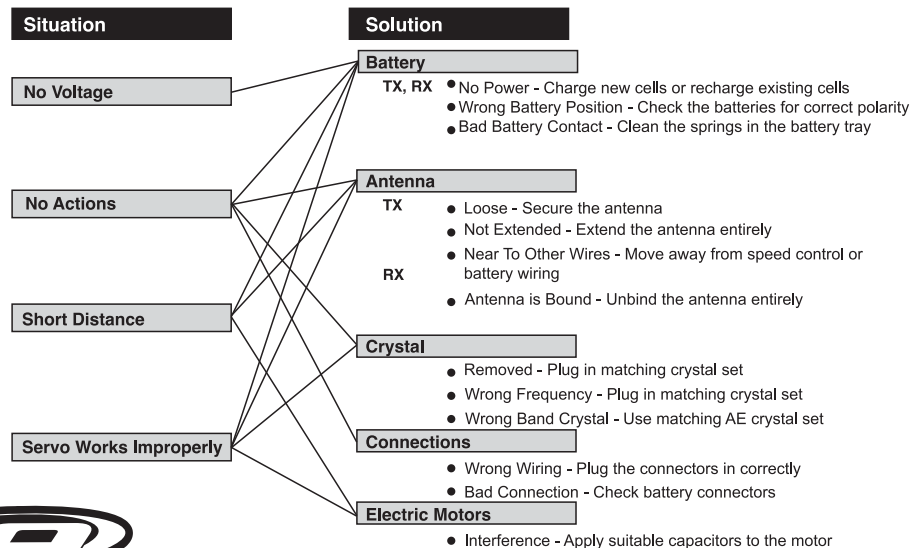
Please return the items to Team Associated, Attn: Service Department, and include the following:

1. Your full name, mailing address, telephone number, and email address.
2. A note, inside the box, describing in detail the problems you are having or the service you are requesting.
3. A copy of the original sales receipt showing the purchase date.

Once received, warranty service will be performed and items returned promptly. You will be notified by telephone when an item does not fall under the terms of the warranty and service charges are required. Please see www.rc10.com/rc/replacexp for details regarding Team Associated's XP Lifetime Product Replacement Policy.

TROUBLESHOOTING

Do not attempt to operate your model if your transmitter is not working properly. Use the following guidelines to find a solution to the problem. If you are unable to solve the problem, contact Team Associated for service.



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