TACTIC™ 2.4GHz

ANY(●)LINK™
2.4GHz Radio Adapter

INSTRUCTION MANUAL

The AnyLink SLT™ 2.4GHz Radio Adapter allows many R/C aircraft transmitters (Tx) to link with Tactic's ultra-small, lightweight, and inexpensive 2.4GHz receivers (Rx), and Transmitter-Ready™ (Tx-R™) aircraft. Compatible transmitters can originally be designed for use on 72MHz, 2.4GHz, FM, PCM, etc. The maximum flight range in any application is 1000 feet.

STOP **Read this manual in its entirety before use! Damage resulting from misuse or modification will void your warranty.**

ITEMS INCLUDED

(1) AnyLink 2.4GHz Radio Adapter
(1) Futaba® Square Adapter Cable (TACM0001)
(1) JR®/Spektrum® DX6, DX6i, DX7 Adapter Cable (TACM0002)
(2) Hard Locking Adhesive Strips

TX COMPATIBILITY AND CORDS

All compatible transmitters must have a trainer/DSC jack. An adapter cable connects AnyLink to the Tx trainer jack. The included cable with two plugs is for Futaba® and Tower Hobbies® transmitters having a square trainer jack (except Futaba 12Z, 14MZ, 18MZ, and 4YF on 2.4GHz). The remaining cable is for JR®, Spektrum® DX6, DX6i, DX7, and Graupner® MX-16 transmitters.

Refer to the chart below to determine which cable is required for a Tx to function with AnyLink. See your local hobby retailer to purchase optional cables TACM0003, 0004, 0005, and 0007.

AnyLink Tx Compatibility Chart		Required Cable
Futaba®	4YF (72MHz), 4YBF, 6EX, 6J, 7C, 8FG, 9C, 10C, 12FG	*INCLUDED*
	4VF, 5U, 6A, 6DA, 6H, 6YF, 6YG, 7NFK, 8U, 9Z	*TACM0003*
	4YF (2.4 GHz), 12Z, 14MZ, 18MZ	*TACM0007**
Hitec®	Neon, Flash (4sx, 5, 5sx), Focus (4, 6), Laser (4, 6), Optic 5 (72MHz), Optic 6 (72MHz, 2.4GHz), Eclipse 7 (72MHz), Prism (7, 7X)	*TACM0003*
	Aurora 9	*TACM0004*
	Optic 5 (2.4GHz), Optic 6 Sport, Eclipse 7 (2.4GHz)	*TACM0005**
JR®	All aircraft transmitters with trainer jack	*INCLUDED*
Spektrum®	DX6, DX6i, DX7	*INCLUDED*
	DX4e, DX5e, DX7s, DX8, DX10t, DX18	*TACM0005**
Tower Hobbies®	4TH, 6XM	*INCLUDED*
	4FM, 6FM	*TACM0003*
Graupner®	MX-16	*INCLUDED*
*Includes a rechargeable 6.6V LiFe battery. LiFe-compatible charger required.		

This chart is current as of the date of the printing of this manual. Transmitters not listed may or may not be compatible with AnyLink. Check **Tx-Ready. com/anylink-chart.html** for the most updated compatibility chart.

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ANYLINK SETUP

⚠️ **IMPORTANT!** Remove the airplane's propeller prior to setting up AnyLink to work with the flight system. Failure to do so could result in personal injury if the motor turns unexpectedly. Make sure all batteries are fully charged prior to operation. Make sure all connections are solid physically and cannot easily become dislodged at any time. AnyLink must be used with a Tx having a throttle stick that does NOT automatically spring back to center.

1. Using the included hard locking mounting strips, mount AnyLink high on the rear of the Tx, extending its antenna upwards from the top of the Tx as much as possible as shown at right. Also note the location of AnyLink's INPUT jack.

2. Remove the Rf module or crystal, or disable the Rf section in the host Tx if possible.

3. Leave the Tx's own antenna in a retracted or folded position.

4. For computer radios make sure the modulation is set to PPM mode.

5. Move the throttle stick to minimum; leave all other sticks at center.

6. Go to the appropriate section below depending on the brand of transmitter being used.

FUTABA AND TOWER HOBBIES RADIOS

1. Carefully connect the appropriate cable to the Tx trainer jack. NOTE: For Futaba's 12Z, 14MZ, 18MZ, and 4YF on 2.4GHz, refer to the instructions included with the required optional Power Adapter TACM0007 for specific setup details.

2. Connect the cable's 3-pin connector to AnyLink's INPUT jack.

3. Turn the Tx power switch on. For computer radios having the option to transmit a signal when Tx power is turned ON, make sure "YES" is selected.

4. AnyLink should sound one beep and its LED should illuminate.

5. Skip to the COMPATIBLE RECEIVERS section on page 5.

HITEC RADIOS

1. Connect the appropriate cable to the Tx trainer jack. NOTE: For Optic 5, Optic 6 Sport, and Eclipse 7 transmitters on 2.4GHz, refer to the instructions included with the required optional Power Adapter TACM0005 for specific setup details. For Aurora 9 transmitters, refer to the instructions included with the required optional cable TACM0004 for specific setup details.

2. Connect the cable's 3-pin connector to AnyLink's INPUT jack.

3. Turn the Tx power switch on.

4. AnyLink should sound one beep and its LED should illuminate.

5. Skip to the COMPATIBLE RECEIVERS section on page 5.

JR, SPEKTRUM, GRAUPNER MX-16 RADIOS

⚠️ **IMPORTANT!** NEVER turn the JR, Spektrum, or Graupner Tx power switch to the ON position at any time when using with AnyLink! Doing so will cause AnyLink to stop transmitting its signal and result in a loss of control of the model. When flying is finished and power has safely been removed from the model and AnyLink, it's also necessary to disconnect the plug from the transmitter's trainer/DSC jack to prevent accidental full discharge of the transmitter's own battery.

1. Connect the appropriate cable to the Tx trainer jack. The transmitter's logic circuit will turn on automatically. NOTE: For Spektrum DX4e, DX5e, DX7s, DX8, DX10t, and DX18 transmitters, refer to the instructions included with the required optional Power Adapter TACM0005 for specific setup details.

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2. Insert the 3-pin connector into AnyLink's INPUT jack.

3. Connect the cable's remaining plug to the Tx charge jack.

4. AnyLink should sound one beep and its LED should illuminate.

5. Proceed to the next section.

COMPATIBLE RECEIVERS

AnyLink is compatible with Tactic brand 2.4GHz receivers such as the 6-channel TR624 (TACL0624) and 3-channel TR324 (TACL0324). AnyLink is also compatible with receivers included in Select Scale Transmitter-Ready™ (Tx-R™) aircraft, and Micro Tx-R aircraft. AnyLink is not compatible with non-Tactic brand receivers.

Skip the next section if using Futaba, Hitec, or Tower Hobbies transmitters.

FLYING Tx-R AIRCRAFT WITH JR, SPEKTRUM, GRAUPNER

Select Scale Tx-R aircraft include a Tactic Rx with servos already connected. Micro Tx-R aircraft include a board with an integrated Tactic receiver and servo connections. The channels in Tx-R aircraft are arranged in the following order: CH1=aileron, CH2=elevator, CH3=throttle, CH4=rudder. However, JR, Spektrum, and Graupner radios transmit channels in a different order. Therefore, it's necessary to re-configure AnyLink to "**Alternate Channel Mapping**" so JR, Spektrum, and Graupner transmitters can properly control Tx-R aircraft.

ALTERNATE CHANNEL MAPPING

1. Center the sideways trim for the left stick, and move the left stick to the bottom-left or bottom-right corner and HOLD in this position.

IMPORTANT: If Tx channel 4 has been re-assigned in the transmitter's menu (e.g. aileron and rudder channels were swapped), or if the Tx is set to stick mode 3 or 4 (with aileron on the left stick, and rudder on the right stick), it will be necessary to instead center the sideways trim on the **right** stick, and move and hold the **right** stick in the bottom-left or bottom-right corner.

2. Cycle power on AnyLink by removing – then re-inserting the 3-pin connector in the INPUT jack.

3. AnyLink's LED will turn on. Wait 5 seconds and AnyLink will sound three tones ● ● ●.

4. Release the stick back to neutral position. AnyLink should sound two tones ● ● to indicate the order of channels has been changed as shown in the chart below.

ALTERNATE CHANNEL MAPPING		
	FUTABA, HITEC	JR, SPEKTRUM, GRAUPNER
CHANNEL 1	*Elevator*	*Aileron*
CHANNEL 2	*Throttle*	*Elevator*
CHANNEL 3	*Aileron*	*Throttle*
CHANNEL 4	*Rudder*	*Rudder*

5. Check all controls. If all channels from the Tx are not properly mapped, or Alternate Channel Mapping is no longer desired, repeat steps 1 through 4 to return all channels back to factory defaults, at which point AnyLink will sound one tone * after power is re-applied.

NOTE: If the Alternate Channel Mapping mode cannot be entered for any reason, changing the servo connections at the Tactic Rx to properly match the controls of the Tx could still allow AnyLink to function properly with your Tx (but is not possible with Micro Tx-R aircraft).

BINDING TO A TACTIC Rx

*To use AnyLink with a **Micro Tx-R** airplane, skip to the next section.*

Otherwise, when binding to a Tactic brand Rx or Select Scale Tx-R aircraft, AnyLink's factory default setting is to pass all channels to the Rx in the same order as from the host Tx, as shown in the chart below:

BINDING WITH A TACTIC Rx		
	FUTABA, HITEC	**JR, SPEKTRUM, GRAUPNER**
CHANNEL 1	*Aileron*	*Throttle*
CHANNEL 2	*Elevator*	*Aileron*
CHANNEL 3	*Throttle*	*Elevator*
CHANNEL 4	*Rudder*	*Rudder*

1. With power already applied to the Tx/AnyLink as explained earlier, move the Tx throttle stick to MINIMUM.

2. Apply power to the Tactic Rx.

3. Insert a small diameter screwdriver into the hole on the Rx marked "BIND". Press and hold the pushbutton until the Rx LED glows red and then turns off after about one second.

4. Release the "BIND" button. The LED will turn on if linking was successful. This link should remain intact for future uses, in which case the Rx LED will turn on immediately when power is applied to the Rx. If the link did not remain intact, repeat this binding procedure.

5. Confirm all servo controls function properly according to inputs on the Tx sticks.

6. If you do not wish to set a failsafe in the Tactic Rx, skip to the SYSTEM CHECK AND OPERATION section on page 10.

Failsafe: All Tactic TR624 receivers include a failsafe function, where **Rx CH3 deflects to 0% (minimum)** which should stop motor function if the Rx loses signal. The deflection position of this servo can be changed manually, if desired. All other channels will hold their last position. If using a JR, Spektrum, or Graupner Tx and the Rx enters failsafe, the throttle channel will go to "hold" (NOT 0% throttle), because Tactic Rx CH3 deflects to 0% position but JR, Spektrum, and Graupner transmitters use CH1 to control throttle. To re-configure AnyLink to pass through channels in the proper order for JR, Spektrum, and Graupner transmitters and allow the throttle control to be set for a specific failsafe position, see the Alternate Channel Mapping section on page 5 and return here when that procedure has been completed. **IMPORTANT!** Confirm the Tx servo reversing settings are in the correct position for the application.

To manually set the failsafe in a Tactic Rx:

A. Make sure the model's ESC is NOT armed. If using a combustion engine, make sure it's NOT running.

B. Move the Tx throttle stick to the desired failsafe position.

C. Press and hold the Rx "BIND" button until the Rx LED blinks twice.

D. Release the BIND button. The Rx LED should stay illuminated to indicate the Rx is now linked, with the throttle failsafe in the new position as set above.

E. Skip to the SYSTEM CHECK AND OPERATION section on page 10 .

AUTO-BINDING ANYLINK TO MICRO Tx-R AIRCRAFT

These procedures apply if using Futaba, Hitec, and Tower Hobbies transmitters, in addition to JR, Spektrum, and Graupner transmitters which have been re-configured to Alternate Channel Mapping as described earlier.

When power is originally applied to a Micro Tx-R aircraft, the built-in Rx will automatically search for the strongest signal being emitted from any Tactic 2.4GHz transmitter (including TTX402, TTX404, TTX440, TTX600, or AnyLink) and link to that signal. There are no bind buttons to press to establish this link. A link is established when the red LED on the board illuminates.

Later, if power is re-applied to the same Micro Tx-R aircraft while multiple Tactic transmitters are operating simultaneously – including the original transmitter "A" - the Micro Tx-R aircraft will attempt to re-bind with transmitter "A". However, if power is re-applied to the Micro Tx-R aircraft while a signal is being emitted from a **different** Tactic Tx, the Micro Tx-R aircraft will now automatically link to the new Tx (transmitter "B"). To re-establish the link with transmitter "A", repeat this process but apply power only to transmitter "A" before applying power to the Micro Tx-R aircraft.

Try these tips if the Micro Tx-R aircraft has difficulty linking with AnyLink when multiple Tactic signals are present:

1. Pre-link your AnyLink and Micro Tx-R aircraft before arriving at the flying site.
2. Turn on the Tx/AnyLink before applying power to the Micro Tx-R aircraft.
3. Wait for other pilots flying Tactic to remove power from their Tx/AnyLink before attempting to link.
4. Move further away from other Tactic transmitters before powering your equipment.

SYSTEM CHECK AND OPERATION

Check the general operation of the system and all flight equipment before attempting a flight.

⚠️ **WARNING!** With the aircraft on the ground, make sure the throttle stick remains at the minimum position and is not accidentally moved. NOTE: Micro Tx-R aircraft have a throttle arming procedure which does require movement of the throttle channel during setup (see instructions included with the Micro Tx-R aircraft).

RANGE CHECK: Determine the safe operating distance from the Tx to the Rx. Place the aircraft on the ground and walk 100 feet (30m) away from the model. Confirm that smooth, interference-free control of all surfaces exists.

FAILSAFE CHECK: If using the failsafe feature, test for proper operation as follows:

1. Prepare a way to quickly disconnect the battery/ESC connection if power needs to be cut immediately.

2. Have an assistant hold the aircraft in place on a test stand, with hands away from the motor.

3. Apply power to the system and test the motor and flight gear for general operation.

4. Remove power from the Tx/AnyLink.

5. Observe the model's surfaces to ensure they move to the previously set failsafe positions.

6. If failsafe operation is correct, re-connect power to the system as explained earlier and prepare for flight. If the failsafe function does not operate correctly, re-check the LINKING WITH A TACTIC Rx and SYSTEM CHECK AND OPERATION sections and re-try.

7. After the flight is complete, remove power from the flight system as soon as possible.

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INACTIVITY ALARM AND POWER-DOWN PROCEDURES

If the Tx sticks are not moved for 4 minutes, AnyLink will sound tones to alert that power is still ON and AnyLink is still transmitting a signal. After power has safely been removed from the model, power must be removed from AnyLink. For Futaba, Hitec (except Optic 5 and 6 Sport and Eclipse 7 on 2.4GHz), and Tower Hobbies transmitters, turn the Tx power switch OFF.

For JR, Spektrum, and Graupner transmitters, and Hitec Optic 5 and 6 Sport and Eclipse 7 on 2.4GHz, disconnect AnyLink's power plug from the Tx charge jack. AnyLink's LED will turn off. Also remember to remove the plug from the Tx trainer jack.

SPECIFICATIONS

Compatible Rx's: Tactic brand receivers
Frequencies: 2.403 – 2.480GHz
Modulation: FHSS spread spectrum
Power indicator: LED with audible tones
Inactivity alarm: audible tones after 4 minutes of Tx stick inactivity
Output power: < 0.1W
Case dimensions: 64 x 36 x 12mm (2.5 x 1.4 x 0.5")
Weight: 24g (0.85 oz.)

IMPORTANT WARNINGS AND PRECAUTIONS

● Do not allow water or moisture inside AnyLink.
● Do not operate R/C model aircraft near power lines, radio or cell phone towers, roads or automobiles, buildings, or pedestrians.
● Do not operate R/C equipment if you are physically impaired as it could pose a safety hazard to yourself or others in the area.
● Do not allow small children to operate/control model R/C equipment without the supervision of an adult.
● Do not allow the Tx's throttle stick to accidentally be moved away from the "off" or minimum position while the model's engine/motor is running.

● Do not allow chemicals to come in contact with any parts of AnyLink. Substances such as glow fuel, gasoline, CA glue, etc. could permanently damage the case and electronic components.
● Always follow the Academy of Model Aeronautics National Model Aircraft Safety Code when operating an R/C aircraft.

TROUBLESHOOTING

RANGE IS SHORT:
Interference – *Check Rx installation and servo connections.*
Low Tx or Rx battery – *Replace the batteries or recharge as needed.*
AnyLink case and/or antenna not oriented properly – *Rotate AnyLink on Tx, or re-direct position of the antenna.*
Rx location – *Relocate the Rx to a different position in the model for better reception.*

RUN TIME IS SHORT:
Low Tx battery – *Replace or recharge the batteries.*

POWER IS APPLIED TO ADAPTER BUT SERVOS DO NOT FUNCTION:
Tx or Rx batteries are low – *Replace or recharge the batteries.*
Rx switch off – *Turn on the ESC or switch harness.*
Switch harness or ESC is connected incorrectly – *Check all connections and the ESC instruction manual.*
Rx not bound to AnyLink – *Perform binding process again.*

INTERFERENCE OR SERVOS GLITCHING:
Out of range – *Operate the model more closely to the Tx.*
AnyLink case not oriented properly – *Rotate AnyLink on Tx.*
Rx or ESC location – *Relocate the Rx and/or ESC away from the engine, motor, servos, or linkages for better reception.*

WRONG CONTROL SURFACES MOVE IN RESPECT TO TX INPUT:
Repeat all steps in AnyLink Operation section on page 4.

CONTROL SURFACE MOVES IN THE WRONG DIRECTION:
Reverse the position of the Tx's reversing switch for the appropriate channel.

ONLY ONE SERVO GLITCHES:
Servo is bad – Replace or repair the servo.

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Declaration of Conformity:

Product: Tactic AnyLink SLT 2.4GHz Radio Adapter Item number: TACJ2000
Equipment class: 1

Tactic AnyLink SLT 2.4GHz Radio Adapter:
The objects of the declaration described here are in conformity with the requirements of the specifications listed below, following the provisions of the European 2006/95/EC Low Voltage Directive:

EN 60950-1:2006 + A11: 2009 + A1: 2010

The objects of the declaration described here are in conformity with the requirements of the specifications listed below, following the provisions of the European R&TTE directive 1995/5/EC:

ETSI EN 300 328 V1.7.1 (2006-10)
Technical requirements for radio equipment

ETSI EN 301 489-1 V1.8.1 (2008-04), 301 489-17 V2.1.1 (2009-05)
General EMC requirements for radio equipment

Tactic
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CE COMPLIANCE INFORMATION FOR THE EUROPEAN UNION

The associated regulatory agencies of the following countries recognize the noted certifications for this product as authorized for sale and use.

UK	DE	DK	BG	SE	FI	
EE	LV	LT	PL	CZ	SK	HU
RO	SI	AT	IT	ES	PT	IE
NL	LU	MT	CY	GR		

*1-YEAR LIMITED WARRANTY – *U.S.A. AND CANADA ONLY*

● This product is suitable only for people of 14 years and older. This is not a toy!

● **WARNING: CHOKING HAZARD** - May contain small parts. Keep away from children under 3 years. Please retain packaging for future reference.

● No part of this manual may be reproduced in any form without prior permission.

● The contents of this manual are subject to change without prior notice.

● Tactic is not responsible for the use of this product.