DigiTRAK Falcon Transmitters Quick Start Guide

Falcon Transmitters

Find the model of your transmitter (Tx) on the etching and label.

1. V2 etching
2. Colored label
3. Tube color
4. IR Port sticker

- Falcon Tx's with blue tubes can use 21700 Lithium Rechargeable (LiR) batteries with a Falcon Transmitter Adapter (FTA). See the next section.
- FT5p and FT2 have three power modes to maximize performance.
  - FT1 has low and standard power mode with increased ranges up to 100 ft/30 m.
  - FTR5 (Sub-k) and 8-inch models do not have V2 MultiPower.
- Falcon+ locators with V2 Tx's add faster pitch updates, more clock positions (FT2) and easy custom power settings for each band.
- FT2L+ (V2 extended range 19-inch) is compatible only with Falcon+ locators.
  - All other V2 Tx's are backward compatible with all Falcon locators.

Choose the Best Battery for the Job

Only use SuperCell and LiR batteries for High power mode and 19 and 24-inch Standard power. You can use alkaline batteries for 15-inch Low and Standard power, but the DCI SuperCell is best for extreme conditions and longer battery life. Always install a fully charged battery.

Rechargeable Lithium Ion Battery Adapter

The Falcon Transmitter Adapter (FTA) requires a single 21700 Lithium Rechargeable (LiR) battery with built-in protection and is specifically designed for Falcon Tx's with blue tubes.

Recommended Manufacturer	Part Number
Klarus	21GT-50
Fenix	ARB-L21-5000
Acebeam	IMR217000NP-510A

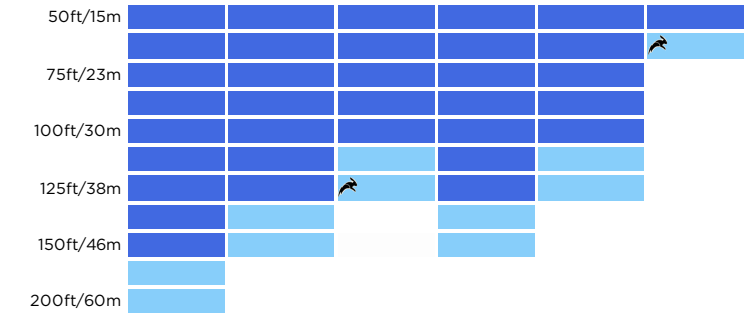
Only use batteries of diameter 21-22 mm and length 75.5 mm ± 1 mm. Other batteries may not fit or survive the rigors of HDD.

Choose the Best V2 Power Mode for the Job

You can choose:

- High power mode for a strong signal with greater depth and data range
- Standard power mode for best balance of battery life and depth
- Low power mode for extended battery life. For Falcon+ locators, Low power also gives you a faster pitch update rate. Look for the icon.

	19-inch V2 Transmitters			15-inch V2 Transmitters		
MultiPower Mode	High	Standard	Low	High	Standard	Low
Battery Life						
DCI SuperCell	14 hrs	40 hrs	120 hrs	14 hrs	80 hrs	140 hrs
LiR*	8 hrs	18 hrs	44 hrs	8 hrs	30 hrs	60 hrs
Alkaline	-	-	32 hrs	-	20 hrs	36 hrs
Depth and Data Range						
Depth	160ft/49m	125ft/38m	100ft/30m	125ft/38m	100ft/30m	50ft/15m
Data Range	200ft/61m	150ft/46m	125ft/38m	150ft/46m	125ft/38m	65ft/20m



The battery types listed are the only types recommended for that model and size. DCI does not recommend using other battery types. *Lithium Rechargeable (LiR) battery life is based on 21700 battery with 5000 mAh rating. with a max 4.2 volts. Battery life while asleep is 400 hours for SuperCell and 200 hours for alkaline. Sleep mode starts 15 minutes after last roll change.

Range is based on SAE Standard J2520 in AGR mode and Max Mode. Actual range and battery life will vary based on interference, transmitter housings, and frequencies.

FTR (Sub-k Rebar) Tx's do not have MultiPower mode and have Standard power battery life. Depth/data range for Up Band is similar to Standard power; Down band is similar to Low power mode.

Select Power Mode and Pair a Falcon Transmitter

You can:

- Select two new bands and set the same power mode for each band.
- Change the power mode of a saved band.
- Pair Up and Down bands independently with different power modes.

Pair a Falcon F2+ or F5+ Locator

> ⚠ The Falcon+ locators (F5+/F2+) set the power mode based on the menu selections and overrides the directional pairing method described on the Tx IR Port sticker. See the **DCI DigiGuide App** for instructions.

If you are using the Falcon+ Quick Scan Pair method, the power mode is preset. If you are using the Scan Pick Pair method, you can select the power mode in the step before pairing the Tx. For more instructions, search "power mode" in the **DCI DigiGuide App**.

Pair a Falcon F2 or F5 Locator (non-Falcon+ models)

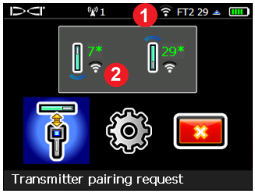
To select the power mode, hold the Tx in the orientation indicated by the Tx IR Port sticker during IR pairing.

High power			Hold the Tx facing up with the battery compartment down. Pairs as standard power for F1 Tx.
Standard power			Hold the transmitter horizontally. F1 TX Pairs as Low power for Regions 1, 3, and 4.
Low power			Hold the transmitter facing down with the battery compartment up.

Calibration of depth is required after pairing any new band or power level. See the **DCI DigiGuide App** for instructions.

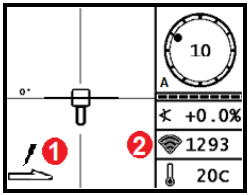
View the Tx Power Mode on Falcon+ and F2 Top Toggle

On Falcon+ and F2 Top Toggle locators, you can view the power mode on the Tx Pairing Request screen and the Locate Mode screen. Use the Transmitter Information Pairing screen to view power setting, battery voltage and other important Tx info. This information is not available on other locators. See the **DCI DigiGuide App** for more details.



1. Power mode for current band
2. Power mode for bands to be paired

Tx Pairing Request F5+



1. Current Draw warning *
2. Power mode

* The Current Draw warning indicates the Tx is drawing too much current from a weak battery, an alkaline battery used in High power mode, or that the Tx is in an incompatible drill housing.

Locate Mode Falcon F2+

For detailed information, install the **DCI DigiGuide App** from your smart device's App store or download the Operator's Manuals from digital-control.com. Printed manuals are available upon request.
If you have questions, contact your regional DCI office or Customer Service at 1.425.251.0559 or 1.800.288.3610 US/CA.

Watch our DigiTrak training videos at
www.YouTube.com/DCIKent

DIGITAL CONTROL

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