



User's Guide



SAFE PULL RUNNING LINE TENSIONER

1325 CARDEN FARM DRIVE | CLINTON, TN 37716 | 865.670.3713 | ITOOLCO.COM
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BEFORE OPERATION OF THIS TOOL, READ AND UNDERSTAND ALL OF THE INSTRUCTIONS AND SAFETY INFORMATION IN THIS MANUAL



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SAFETY FIRST

All products manufactured and sold by iTOOLco, are sold with the express understanding that the purchaser and user are thoroughly familiar with the safe use, proper care and application of the product.

Responsibility for the safe use, proper care and application of the product rests with the user. Failure of the product can occur due to misapplication, abuse, overloading, or improper care and maintenance.

There are numerous government and industry standards that cover products manufactured and sold by iTOOLco. This document makes no attempt to reference all of them. We do reference standards that are most current like ASME B30.26-2010 “detachable load indicating devices.” Ratings shown in iTOOLco literature are only applicable to new or “as new condition” products. Rated capacities define the greatest force or load a product can carry under usual or normal environmental conditions. Shock loading and extraordinary conditions must be taken into account when selecting products and product capacity.

Some of the products in the iTOOLco catalogs are designed for use with rigging hardware and components which could be supplied from several different manufacturers. It is crucial that you read and understand the literature from these manufacturers, as well as governmental standards and industry technical manuals.

The rated capacity, design factor and efficiency rating of each iTOOLco product may be affected by wear, misuse, overloading, corrosion, deformation, intentional alteration, age and other use conditions. The recommended proof load on all items manufactured and sold by iTOOLco is twice the working load limit (WLL), unless otherwise shown. Proof testing is included on all iTOOLco load indicating products.

SAFETY ALERT SYMBOLS

This symbol is used to call your attention to hazards or unsafe practices that could result in injury or property damage. The three signal words, defined below, indicate the severity of the hazard. The message after the signal word provides the information for preventing or avoiding the hazard.



DANGER

Immediate hazards that, if not avoided, **WILL** result in severe injury or death.



WARNING

Hazards that, if not avoided, **COULD** result in severe injury or death.



CAUTION

Hazards or unsafe practices that, if not avoided, **MAY** result in injury or property damage.

IMPORTANT SAFETY INFORMATION



WARNING

Read and understand all instructions and safety information in this manual before operating or servicing this tool.

Also read the instruction manual supplied with your drill.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY OR DEATH



WARNING – PERSONAL SAFETY HAZARDS

The Safe Pull Running Line Tension Meter is used in conjunction with other equipment and running cable or synthetic ropes.

Only qualified personnel should install the product.

This manual presumes the operator is qualified to rig and work with cable or synthetic in all situations.

Make sure the cable or synthetic rope diameter and expected tension are suitable for the model of Safe Pull Running Line Tension Meter you are using – if in doubt do not proceed and take advice.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY OR DEATH.



WARNING – ELECTRICAL SHOCK HAZARDS

Do not expose power tools to rain or wet conditions. Water entering a power tool can increase the risk of electric shock.

Plug into a (GFCI) ground fault interrupted circuit outlet only.

Use a 20 Amp 120 Volt extension cord no more than 100 feet in length. Maintain proper care of power cords. Do not use the cord to carry the tool or pull the plug from an outlet. Replace damaged cords immediately. Damaged cords can increase the risk of electrical shock. Do not use this tool near live circuits.

Shut off and lock out power when working near existing circuits. FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY OR DEATH.

**WARNING – ENTANGLEMENT HAZARD**

Do not operate this tool while wearing loose-fitting clothing.
Retain long hair.

Keep hands away from pullers capstan. Rope at capstan can pinch or crush a hand or body part.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY OR DEATH.

**WARNING – TOOL USE HAZARDS**

This product is designed to measure the load on a rope to a maximum speed of 50 meters per minute – check cable or synthetic rope speeds – if in doubt do not proceed and take advice.

Check the Safe Pull Running Line Tension Meter for any visual fractures, wear or deformation.

The sheave has needle roller bearings but movement of the sheave on the axle should be checked and should be less than 1mm

The rope must be in the sheave and the Safe Pull Running Line Tension Meter should be firmly attached to its mounting points

Avoid installing in areas affected by strong vibrations.

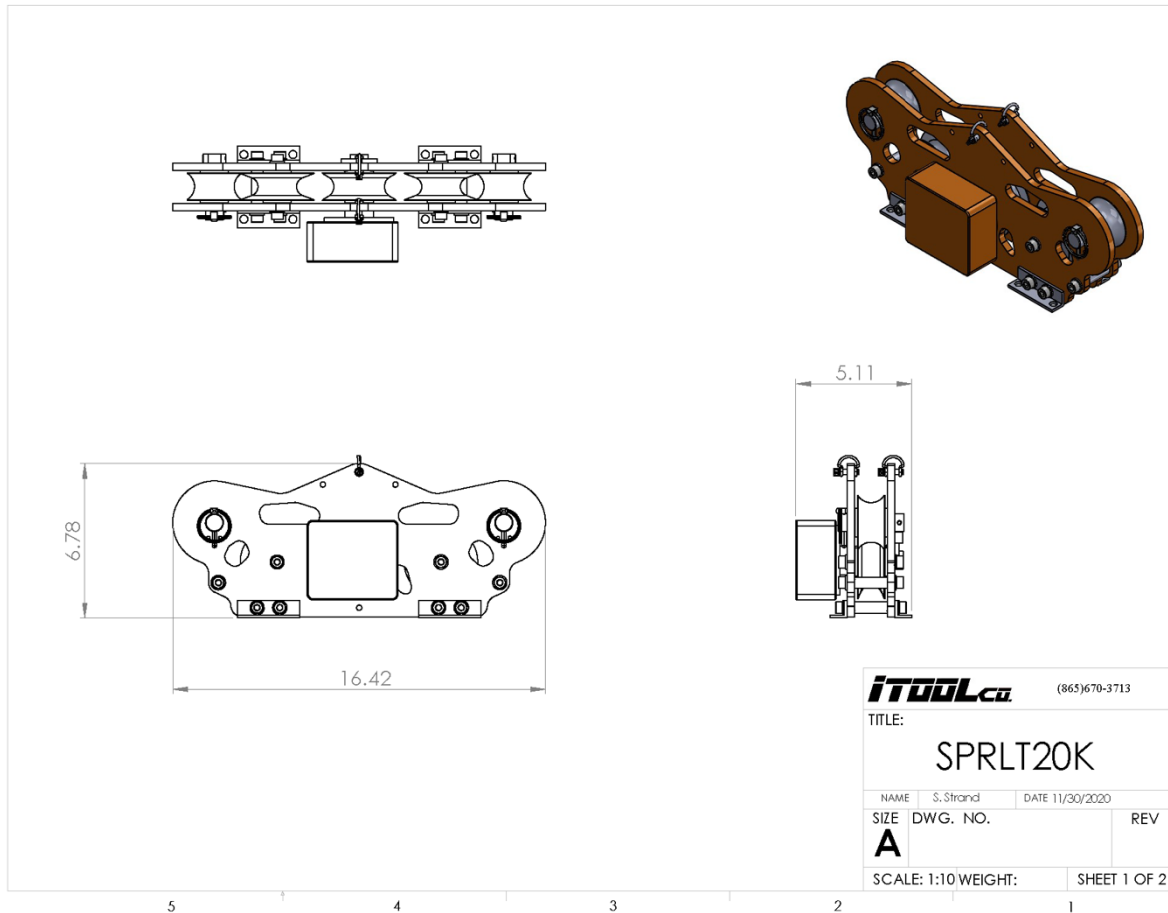
Make sure that the user keeps a good overview of the work area.

Wear appropriate personal protective equipment (PPE) at all times.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY OR DEATH.

DESCRIPTION AND IDENTIFICATION

Track every pull on your mobile device with the Safe Pull™ RLT application. Set load limits and get audible alarms on pulls with loads measuring up to 20,000 lbs. The convenient GPS capability ensures correct information is provided about the corresponding jobsite and notifications about tracked loads are sent wherever they need to go via email & stored on your device until you are ready to delete them.



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SET UP AND OPERATION

Step 1. A fixing method needs to be found for each individual Safe Pull Running Line Tension Meter before it is rigged.

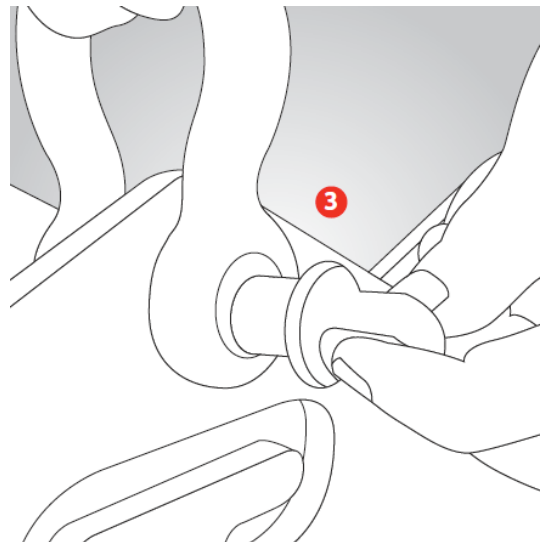
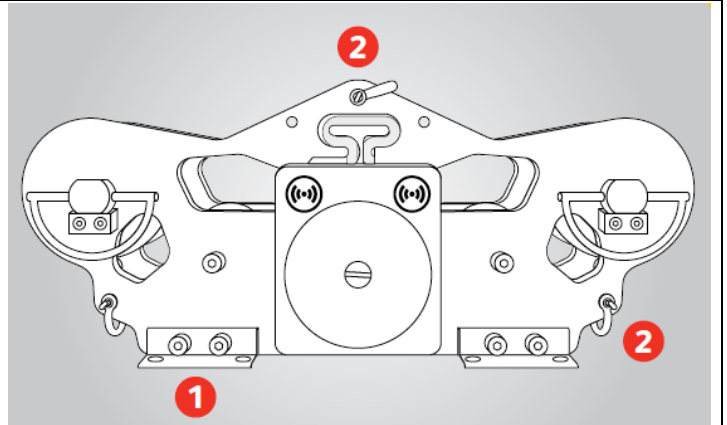
The Safe Pull Running Line Tension Meter needs to be fixed in such a way, that it is kept as vertical as possible or use provided mount.

The fixing method could be by bolting down (1) or by chains or by wire attached to the shackles on the Safe Pull Running Line Tension Meter (2).

Figure (3) shows how to attach shackles.

If an articulated arm is required, please contact your local iTOOLCO partner for more information.

The chosen method depends on the possibilities and the surroundings on your worksite.

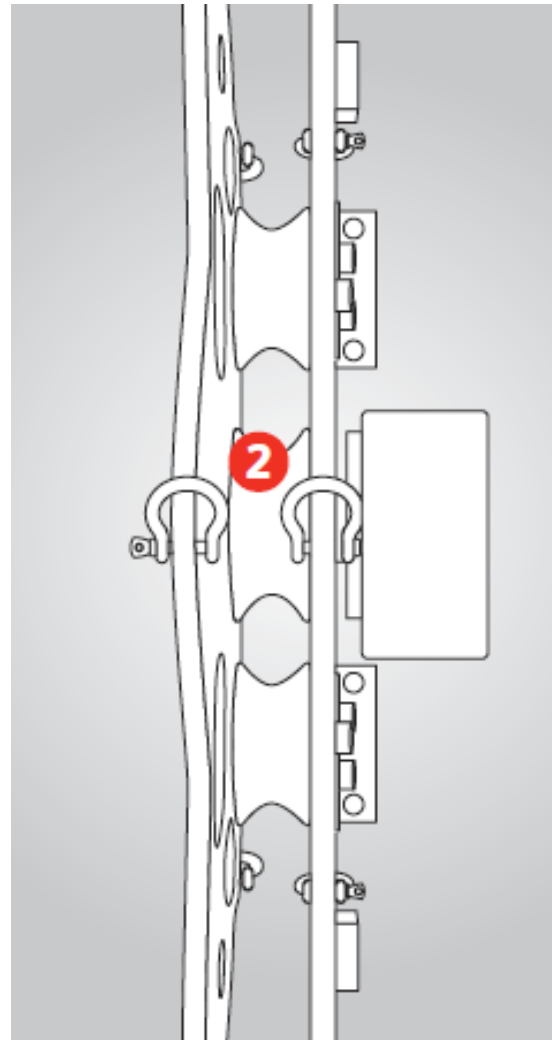
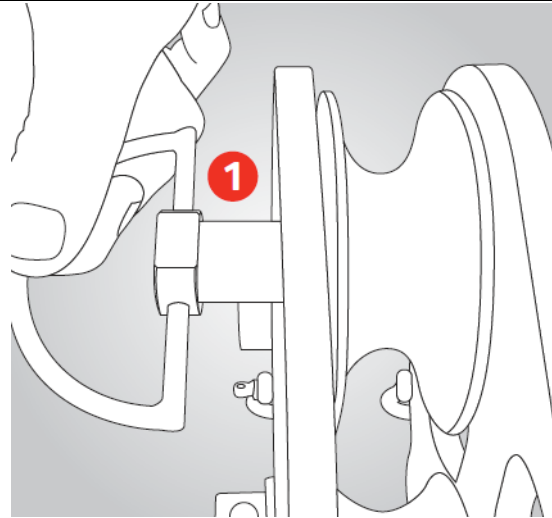


To rig the Safe Pull Running Line Tension Meter, the cable or synthetic rope that is to be measured must be in a slack rope condition.

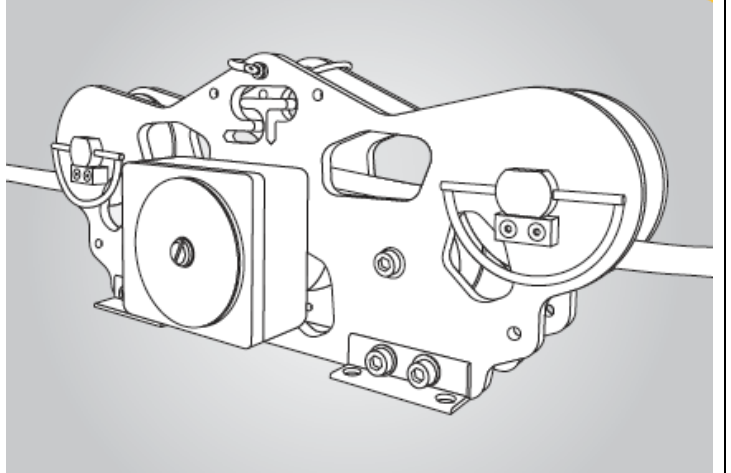
Once the Safe Pull Running Line Tension Meter is anchored or fixed in place remove both top sheaves (1).

Take care not to trap fingers when removing the sheaves (2).

Wear appropriate PPE.

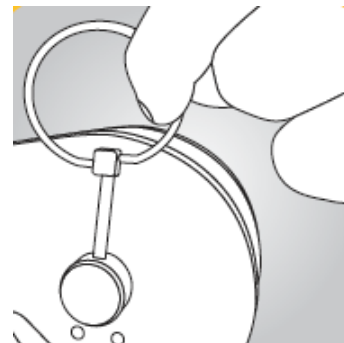
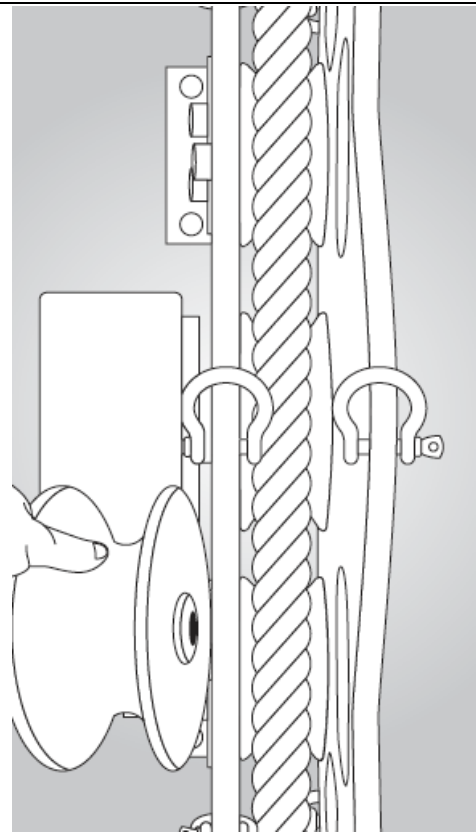


Next, lay rope or cable through the Safe Pull Running Line Tension Meter onto the lower three sheaves.



Now, refit the sheaves.

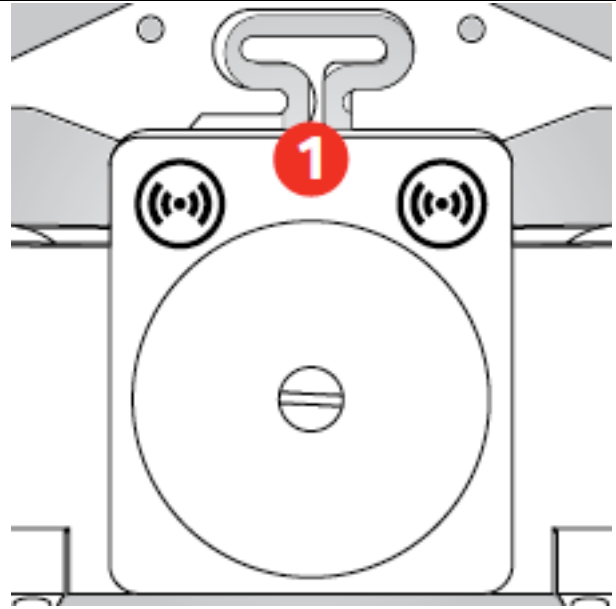
Put the handle/axle back in position and secure it with the lynch pin, as shown.



Safe Pull Running Line Tension Meter works on Bluetooth low energy.

4 x AA batteries to be fitted here (1).
Remove the cover of the blue box, using a flat blade screwdriver on the screw located in the center of the disc.

Fit batteries and refit cover.

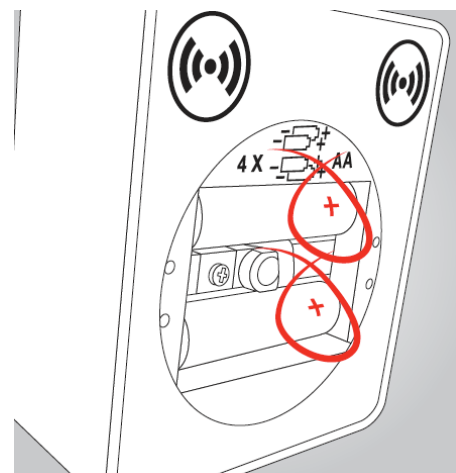
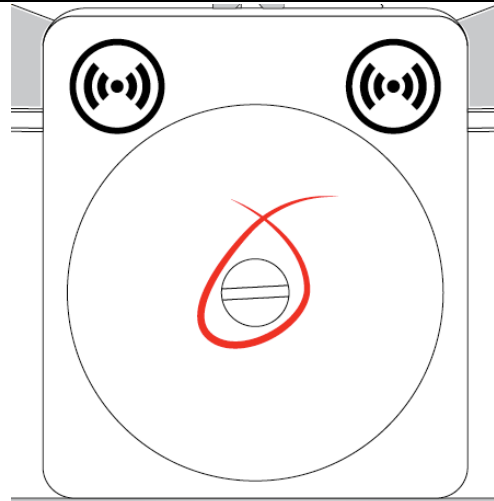


Warning: Make sure the batteries are fitted correctly and the polarity is correct as shown.

You can now apply load.

Apply loads slowly and avoid shock loads, make sure maximum rope speed is not exceeded.

If any unexpected readings are encountered stop the rope and inspect your complete set up for any problems.



These devices are sealed to IP67/NEMA6 standards.

The effects of solvent on the device cannot be guaranteed, and should therefore be avoided.

Avoid use within 20-30 minutes of rapid changes in temperature, for example moving the device from a cold vehicle into a warm room.

The change in temperature can affect the accuracy of the device. The operating temperature is -10 to +50° C or 14 to 122° F.

Should the display show "Overload" remove the load immediately as this indicates an overload situation.

Check that the load applied is within the working load limit of the device. If it continues to display overload, contact your supplier.

These products are supplied with a certificate of calibration which is valid for one year.

After this date, it is recommended the device is recalibrated by iTOOLco or an approved calibration laboratory.

Contact the iTOOLco service department at service@itoolco.com or your supplier for more information.

In the unlikely event of this device failing, fit new batteries and re-test. Only when this has been done should you contact your supplier to report the fault. When reporting the fault it is important to give a full description of the problem and the type of application the device is being used for.

iTOOLco warrants this product against malfunction for a period of one year from manufacture.

Conditions of warranty:

- 1) The equipment is used as described exactly in the operators manual supplied.
- 2) While we make every effort to ensure each device is calibrated before dispatch, iTOOLco does not accept responsibility for inaccurate readings indicated by this equipment.
- 3) In the event of malfunction, the device is returned to the manufacturer:
iTOOLco
1325 Carden Farm Drive
Clinton, TN 37716
- 4) *If we consider any malfunction to be caused by misuse, this warranty is void and any repair will be charged for accordingly.*

For full instructions on the App, please download the app from Play Store /iOS App Store using the QR codes below and then see the help section.







LIMITED WARRANTY: ITOOLCO SAFE PULL RUNNING LINE TENSION METER

iTOOLco warrants all new Safe Pull Running Line Tension Meters covered by his agreement, when properly used, to be free from defects in material and workmanship under normal use and service for which it is intended for a period of one year from date of delivery by the dealer. Date of delivery shall be the date product is placed in possession of the user. NORMAL WEAR FROM USE IS NOT PART OF THIS WARRANTY. This limited warranty is extended to the original user only and is not transferrable to, nor enforceable by any other person.

iTOOLco will replace free of charge any part(s) of the product found to be defective when such part(s) is returned to iTOOLco at the address shown below, freight prepaid. If the part(s) is found to be defective, iTOOLco will refund freight charges paid by you in returning the defective part(s) and prepay replacement part(s) freight charges. iTOOLco will not be responsible for more than replacement of any defective part(s) and standard freight charges (parcel post or UPS ground rate) of any part(s) found to be defective.

THIS IS THE EXCLUSIVE REMEDY. ITOOLCO SHALL NOT BE RESPONSIBLE OR LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECTS COVERED BY THIS WARRANTY OR ANY IMPLIED WARRANTY APPLICABLE TO THE PRODUCT INCLUDING, BUT NOT LIMITED TO, PROPERTY DAMAGE, LOSS OF USE OF PRODUCT, LOSS OF TIME, LOSS OF PROFITS, INCONVENIENCE, COMMERCIAL LOSS, LABOR COSTS, SERVICE TRIPS, AND MILEAGE.

Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Dealer/Distributor Warranty Claim Procedure

1. All warranty claims must be pre-approved by iTOOLco Warranty Department PRIOR to starting any warranty work. Warranty work performed without prior approval will not be considered.
2. All claims must be handled through dealer/distributor.
3. Written approval must be received from iTOOLco before return of merchandise. A Return Authorization is to be returned with the merchandise which is sent back.
4. All parts must be returned to iTOOLco at the address shown below, freight prepaid.
5. The serial number of the product and the date of delivery must accompany the part(s) being returned.
6. If the part(s) is found to have failed because of a defect in material or workmanship, replacement will be made on a no-charge basis, and the part(s) returned, freight prepaid. Standard freight charges (parcel post or UPS ground rate) incurred in returning the part(s) will be refunded.
7. For reasons of expediency, replacement and/or repair part(s) may be shipped as soon as possible and billed to the dealer/distributor. When part(s) is returned, if it is covered under warrant, credit will be issued for the part(s) and freight charges.
8. All parts found to be defective shall be retained by and shall become the property of iTOOLco. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Corporate Address: iTOOLco
1325 Carden Farm Drive
Clinton, TN 37716

