

# SYMBOL MT2000 Series

## Quick Start Guide

<http://www.motorola.com/mt2070> See Product Reference Guide for more information  
<http://www.motorola.com/mt2090>

MT20X0 Poster

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PANTONE 285

POST IN WORK AREA

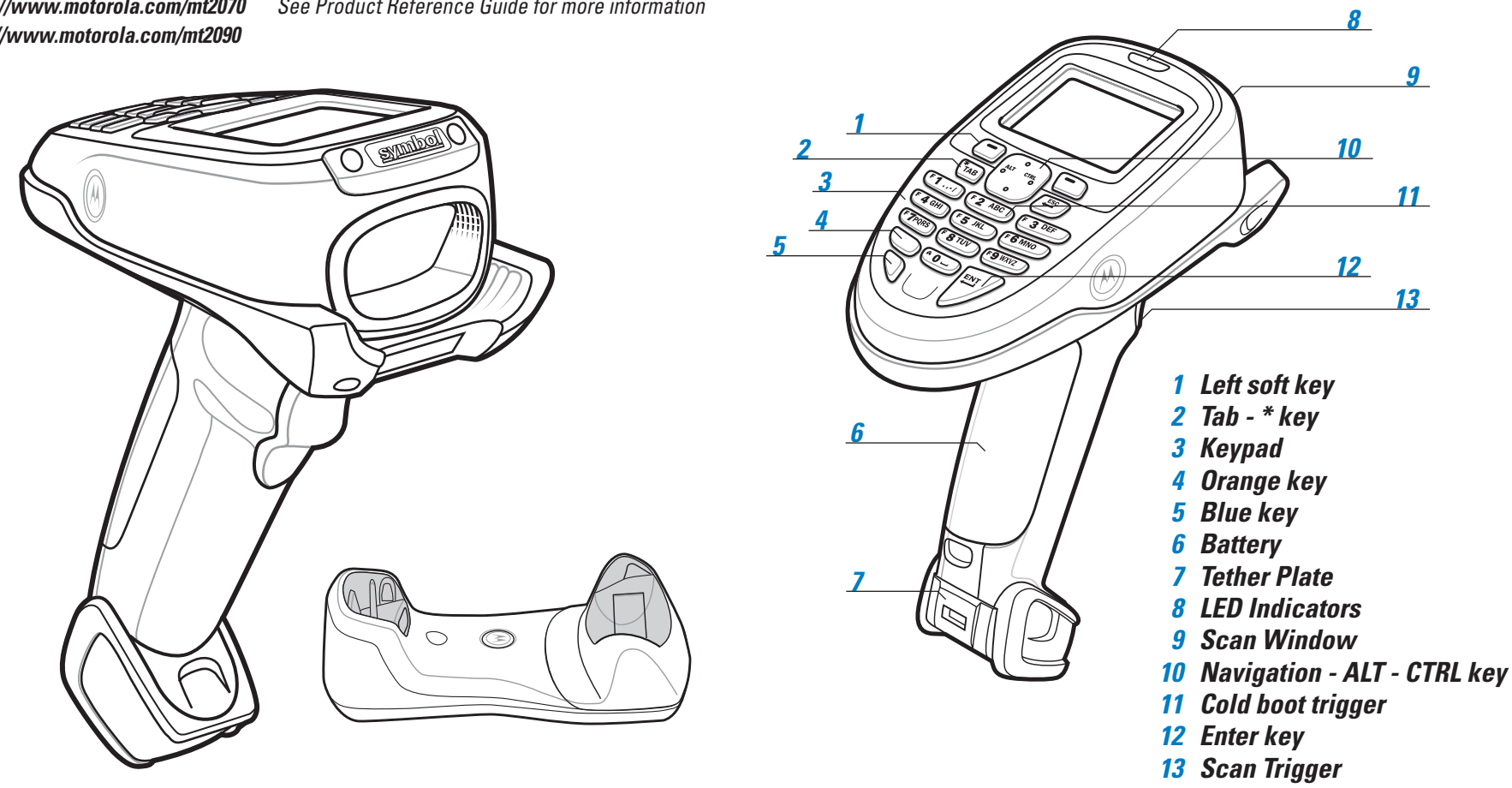
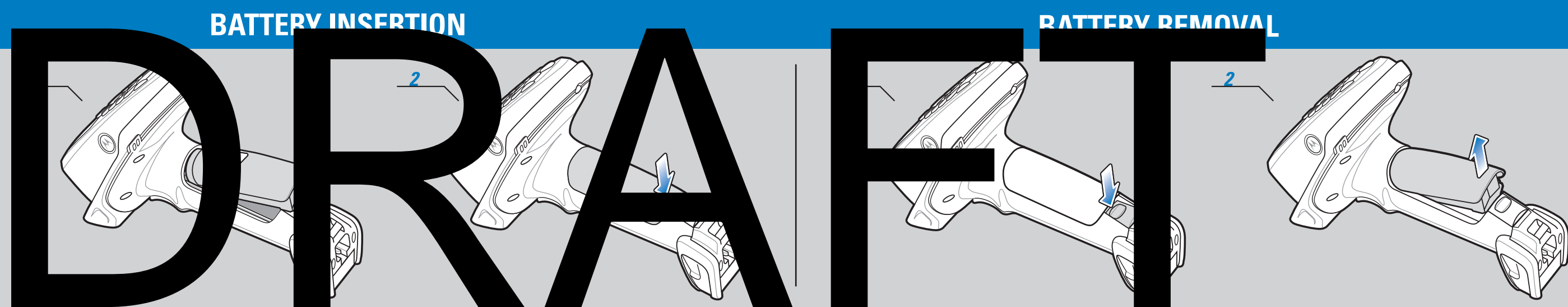
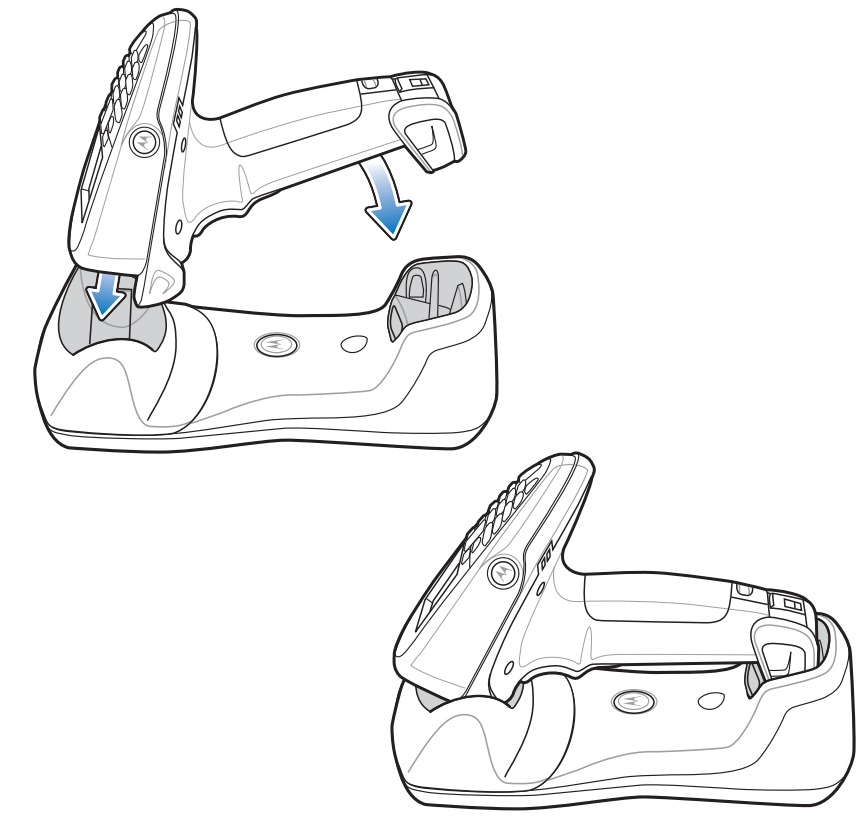


Table Top Cradle Insertion



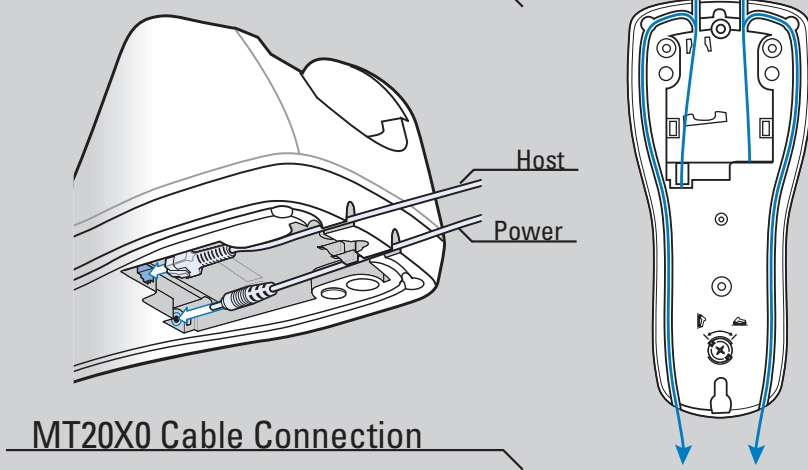
BATTERY INSERTION

BATTERY REMOVAL

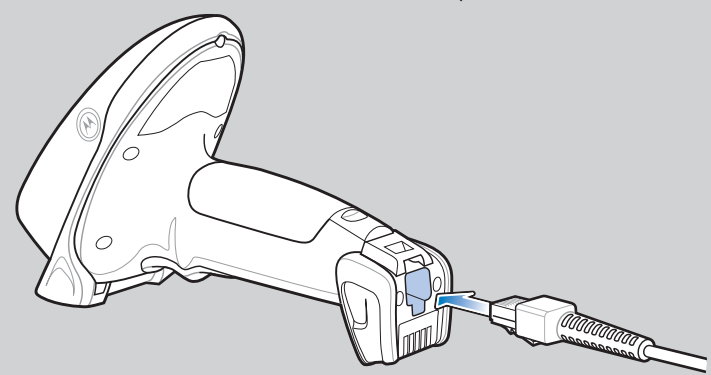
CONNECTIONS

HOST INTERFACES

Cradle Cable Connections

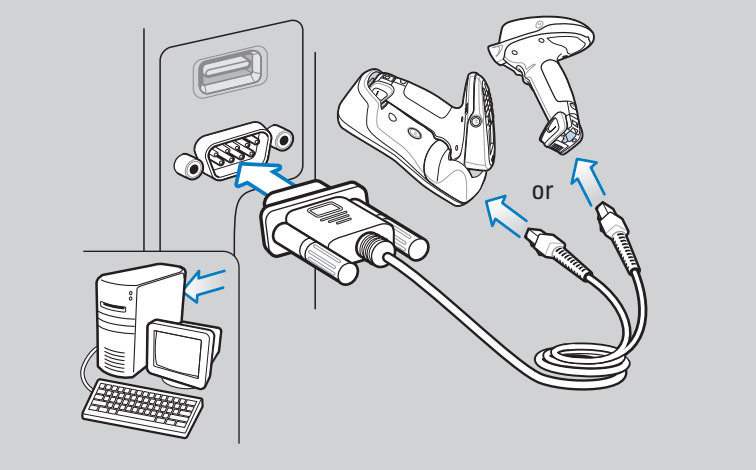


MT20X0 Cable Connection

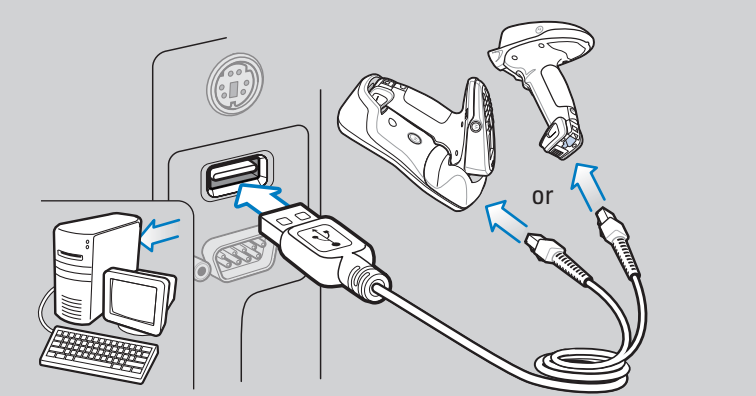


NOTE: Cables may vary depending on configuration. When using an external power supply, insert the cable into the cradle first, then insert host cable. Connect power last.

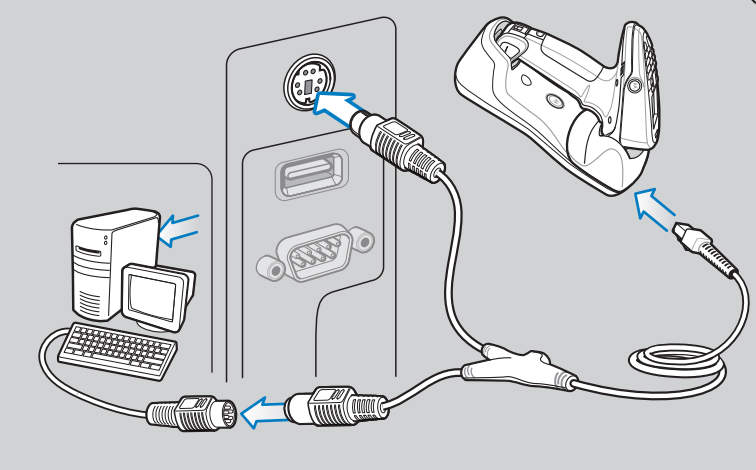
RS-232



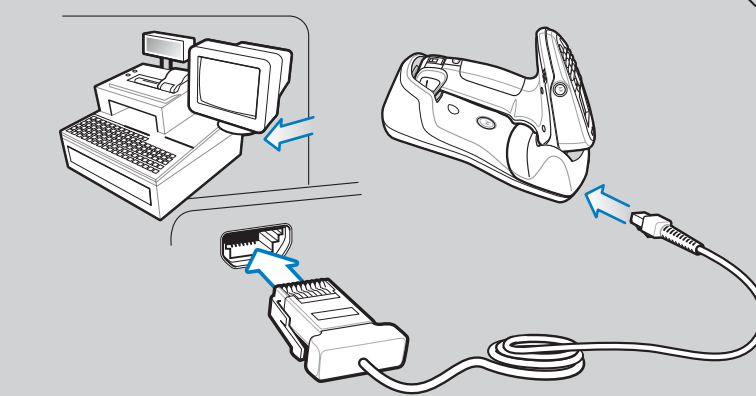
USB



Keyboard Wedge



IBM 46XX



### TROUBLESHOOTING

Please refer to the Symbol MT20X0 Product Reference Guide Troubleshooting section for further information.

#### Scanner not working

No power to scanner: Check battery.  
 End cap not secured correctly: Turn end cap to secure.

#### Scanner not decoding bar code

Scanner not programmed for bar code type: Ensure scanner is programmed to read type of bar code being scanned.  
 Bar code unreadable: Ensure bar code is not defaced; try scanning test bar code of same bar code type.

#### Scanner decoding bar code, but data not transmitting to host

Scanner not paired to host-connected cradle: Pair the scanner to the cradle (using the PAIR bar code on the cradle).  
 Cradle not programmed for correct host interface: Check scanner host parameters or edit options.  
 Interface cable is loose: Check for loose cable connections.  
 If data is still not transmitting to host, it may be necessary to recycle power on the cradle.

#### Scanned data incorrectly displayed on host

Paired cradle host communication parameters do not match the host's parameters: Check cradle host parameters or edit options.

### SYMBOL MT20x0 PROGRAMMING BAR CODES

#### Host Types

**RS-232 Host Types**

STANDARD RS-232

ICL RS-232

NIXDORF RS-232 MODE B

FLUITSU RS-232

NIXDORF RS-232 MODE A

OPOS/UPOS

**USB Host Types**

HID KEYBOARD EMULATION

IBM HAND-HELD USB

**Keyboard Wedge Host Types**

IBM PC/AT and IBM PC COMPATIBLE

**Radio Communications Host Types**

CRADLE HOST

SERIAL PORT PROFILE (SLAVE)

BLUETOOTH KEYBOARD EMULATION (HID SLAVE)

SERIAL PORT PROFILE (MASTER)

**IBM 46XX Host Types**

PORT 5B

PORT 9B

#### Host Mode

CABLE PRIORITY

CABLE ONLY

WIRELESS ONLY

#### Miscellaneous

**Set Defaults**  
 Note: The scanner connection to the cradle is dissolved when Set Defaults is scanned.

SET DEFAULTS

**Unpairing/Disconnection**

UNPAIR/DISCONNECT

**Unpairing/Disconnection**

UNPAIR/DISCONNECT

**Scan to Add Prefix/Suffix Values (Carriage Return/Line Feed)**

SCAN OPTIONS

ENTER

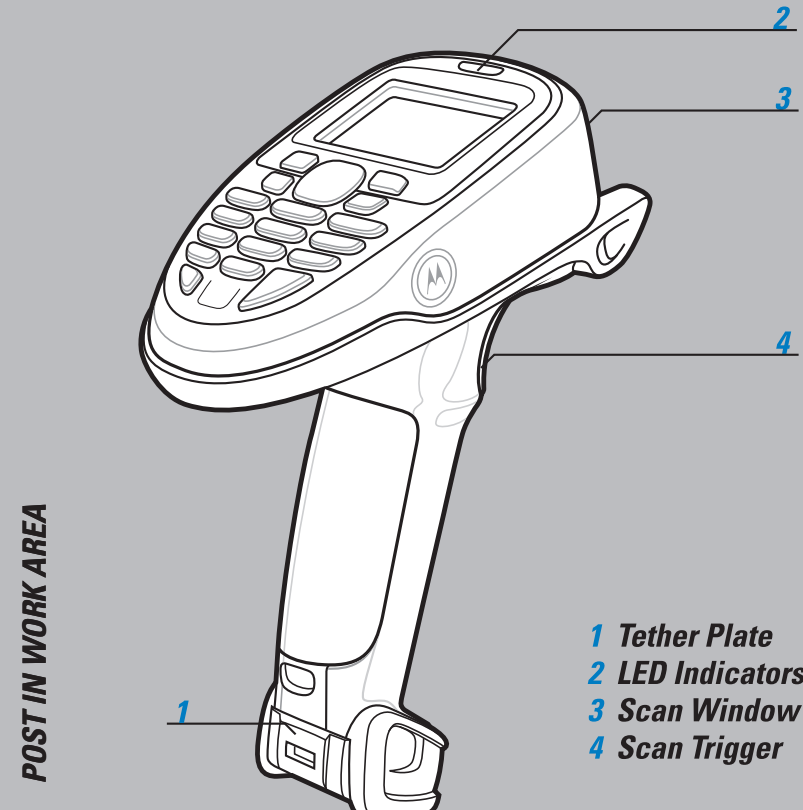
<DATA>-<SUFFIX>

MT20X0 Poster

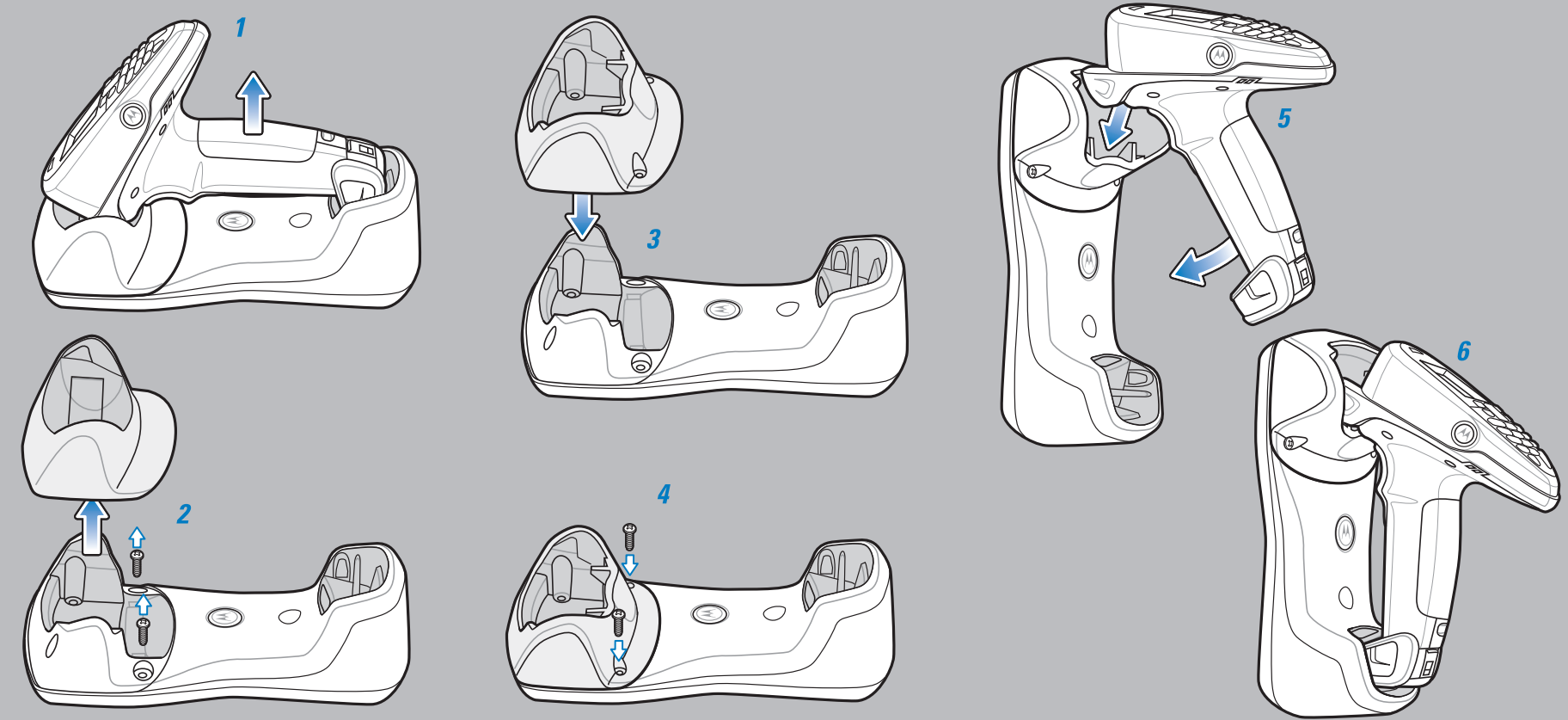
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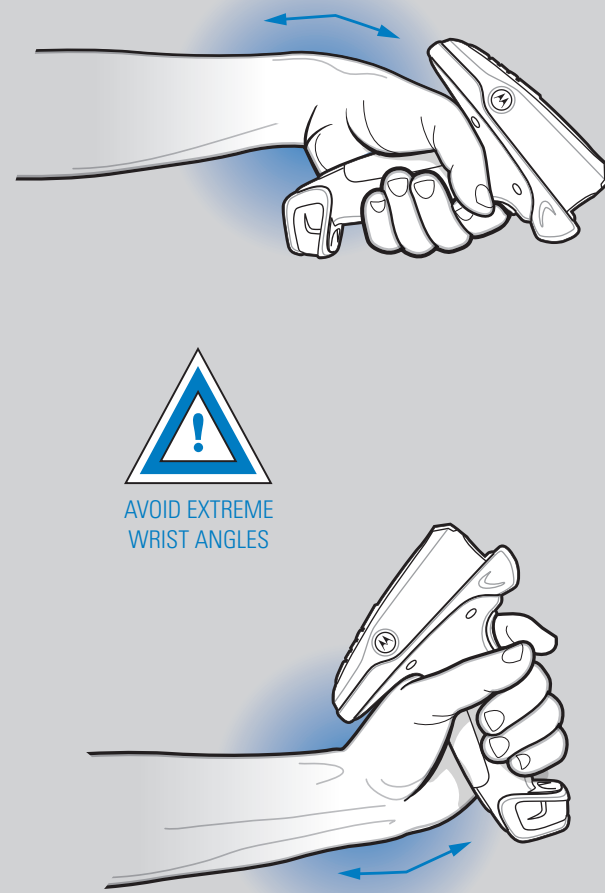
CRADLE CONVERSION



OPTIMUM UPRIGHT BODY POSTURE



Avoid Extreme Wrist Angles



Beeper Indications

Table mapping beeper patterns (e.g., Low-medium-high beeps, 4 long beeps) to their meanings (e.g., Power up, Transmission error).

Parameter Menu Scanning

Table mapping LED/Beep patterns to parameter menu actions (e.g., Successful program exit, Input error).

LED Indications

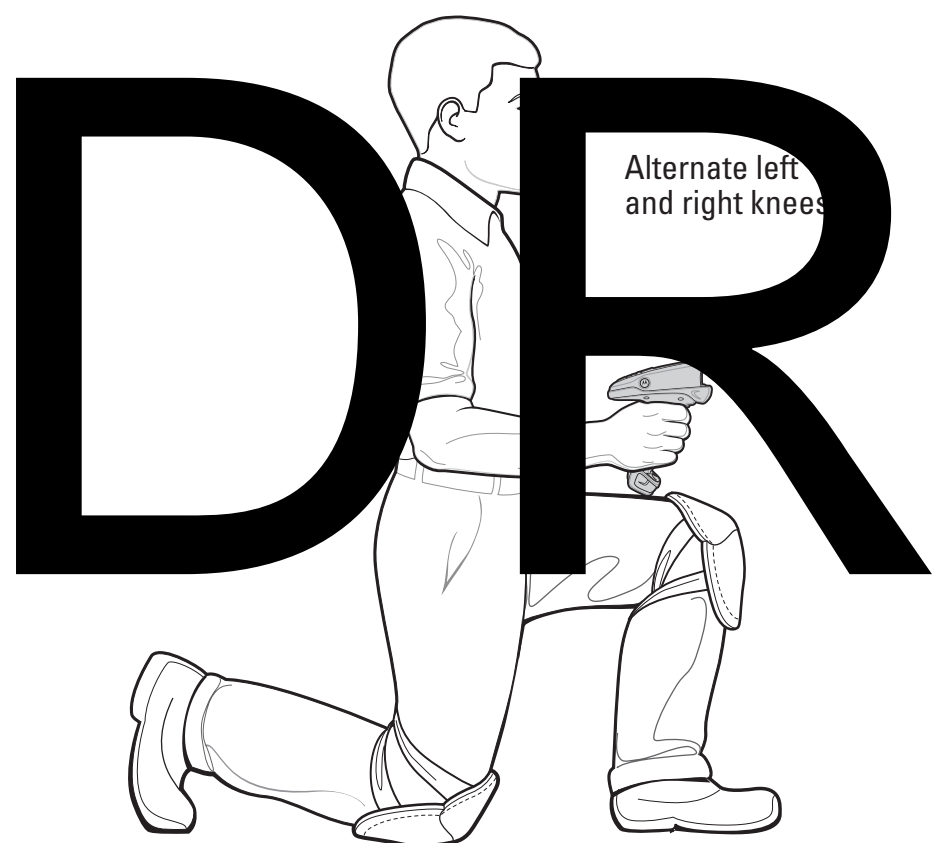
Table mapping LED colors (Off, Green, Red) and states to scanner conditions (e.g., No power, Bar code successfully decoded).

Charging Use

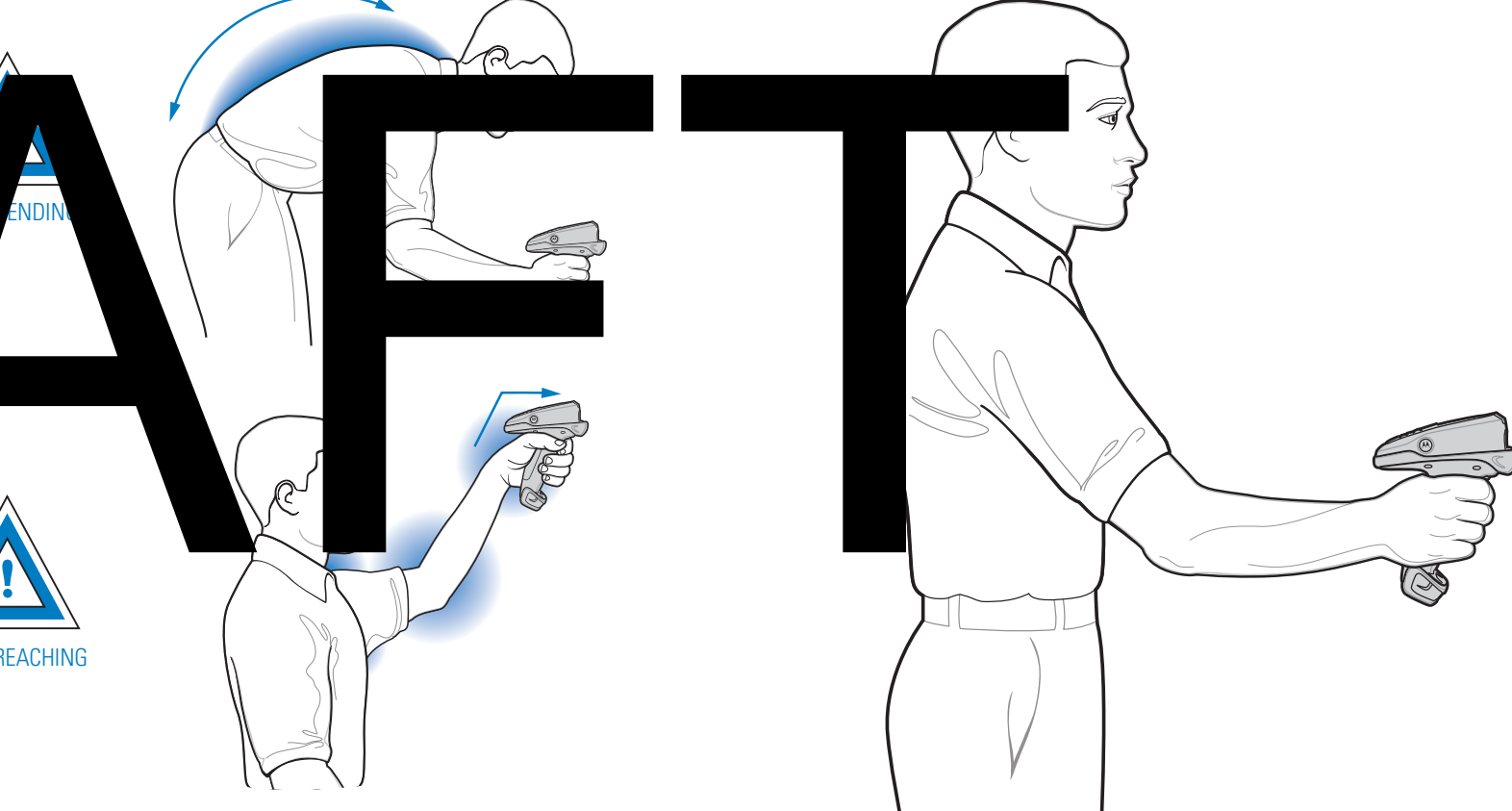
Table mapping LED/Beep patterns to charging status (e.g., Scanner charging, Charging problem).

OPTIMUM BODY POSTURE

Optimum body posture for low scanning



Optimum body posture for extended range scanning



SYMBOL MT20X0

Recommended Usage Guide

REGULATORY INFORMATION

This device is approved under the Symbol Technologies brand... Symbol Technologies, Inc., is the Enterprise Mobility business of Motorola, Inc.

Wireless Device Country Approvals
Regulatory markings, subject to certification, are applied to the device signifying the radio(s) is/are approved for use in the following countries...

Operation of the device without regulatory approval is illegal.

Frequency of Operation - FCC and IC
The use in the UNII (Unlicensed National Information Infrastructure) band 1 5150-5250 MHz band is restricted to Indoor Use only.

Health and Safety Recommendations
Ergonomic Recommendations
Caution: In order to avoid or minimize the potential risk of ergonomic injury follow the recommendations below.

Warnings for Use of Wireless Devices
Safety in Hospitals
Warning: Wireless devices emit radio frequency energy and may affect medical electrical equipment.

Persons with Pacemakers
Pacemaker manufacturers recommended that a minimum of 15cm (6 inches) be maintained between a handheld wireless device and a pacemaker to avoid potential interference.

Other Medical Devices
Please consult your physician or the manufacturer of the medical device, to determine if the operation of your wireless product may interfere with the medical device.

RF Exposure Guidelines
Safety Information
Reducing RF Exposure - Use Properly
Only operate the device in accordance with the instructions supplied.

Handheld Devices
To comply with EU/RF exposure requirements, the device must be operated in the hand with a minimum separation distance of 20 cm or more from a person's body.

US and Canada
Handheld Devices
To comply with FCC RF exposure requirements, this device must be operated in the hand with a minimum separation distance of 20 cm or more from a person's body.

MOTOROLA
Motorola, Inc. One Motorola Plaza, Holtsville, New York 11742, USA
1-800-877-9638 http://www.symbol.com

72-11728-01 Revision A, January 2009

SYMBOL MT20X0

Batteries
Charging -
To charge the mobile device battery, the battery and charger temperatures must be between +32° F and +104° F (0° C and +40° C).

Taiwan - Recycling
EPA (Environmental Protection Administration) requires dry battery producing or importing firms in accordance with Article 15 of the Waste Disposal Act are required to indicate the recycling marks on the batteries used in sales, giveaway or promotion.

Battery Safety Guidelines
The area in which the units are charged should be clear of debris and combustible materials or chemicals.

1. Radio Frequency Interference Requirements- FCC
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

2. Radio Frequency Interference Requirements- Canada
This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

3. Marking and European Economic Area (EEA)
The use of 2.4GHz WLANs for use through the EEA, have the following restrictions:
Maximum radiated transmit power of 100 mW EIRP in the frequency range 2.400 - 2.4835 GHz.

Statement of Compliance
Motorola/Symbol hereby declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A Declaration of Conformity may be obtained from http://www2.symbol.com/doc.

Laser Labels
In accordance with Class 5, IEC 60825 and EN60825, the following information is provided to the user:
ENGLISH CLASS 1 LASER PRODUCT CLASS 2 LASER PRODUCT LASER BEAM INTO BEAM CLASS 2 LASER PRODUCT

Laser Devices
Complies with 2(CPR)104.10 and 104.11 except for deviations pursuant to Laser Notice No. 50, dated July 26, 2001.
EN60825-1:1994- A1:2002- A2:2001
IEC60825-1:1993- A1:1997- A2:2001

PERF
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