



Hardware Userguide

RECO TX

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Table of contents

Copyright	Page 3
Messages	Page 4
Overview	Page 5
Equipment checklist	Page 5
Technical specification	Page 6
Features	
Front view	Page 7
Top view	Page 8
Left view	Page 9
Right view	Page 9
Back view	Page 10
Quick-start procedure	Page 11
Troubleshooting	Page 13



Display related problems	Action
Screen appears dark	Excessive exposure to direct sunlight may cause the reco TX screen to temporarily darken. This is a natural consequence for LCD screens. It will not be permanent.
Screen appears blank	Adjust the LCD display brightness by using the brightness control or restart the reco TX.

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Messages

Messages are used in this document to bring important information to your attention. Different types of messages are defined as follows:

- CAUTION!** A Caution alert informs you that improper use of equipment or failure to follow safety instructions may cause data loss or equipment damage.
- WARNING!** A Warning alert informs you that improper use of equipment or failure to follow safety instructions may cause bodily injury.
- NOTE!** A Note is an advice that helps you make the best use of the reco TX.

Safety Instructions

You must read through all safety instructions before using the reco TX. The following information contains concepts that you must fully understand in order to avoid property damage or body injury.

CAUTION!

- Always use standard battery packs supplied with the reco TX. Other battery packs may have different specifications and cause damages to the device.
- Do not expose the battery pack to other metal objects.
- Do not use or place the reco TX near sources of heat or expose it to direct sunlight for an extended period of time. Store it in a cool and dry place.
- Do not push or apply force to the TFT screen.
- Do not use pens or sharp objects to write on the screen. Always use the stylus to tap or draw on the TFT screen.

WARNING!

- Using worn-out or damaged power cords may result in electric shock or fire.
- Avoid keeping a steady position when using the reco TX for prolonged period of time. Periodic exercises and breaks are recommended to prevent any physical discomfort.
- Do not control or operate other equipment via reco TX without being trained using this equipment. It can cause property damage or body injury.
- Do not remote control other equipment via reco TX without having permanent feedback concerning your actions. It can cause property damage or body injury.

Always contact an authorized service provider for assistance if any repair or adjustment is required.

Troubleshooting

When you experience operational problems, check the following guide for system troubleshooting. If problems persist, please contact your dealer for technical support.

Display related problems	Action
Main battery is low	Replace or recharge the battery as soon as possible. Plug in the AC-DC adapter in and continue using the reco TX. When the main battery is discharging, the RAM data will be kept since the memory is powered by the backup battery. If the backup battery power is low, the data may be totally lost, so please backup your data regularly.
The battery appears to be damaged or has reached the end of its service life	Purchase a new battery
The reco TX turns off automatically	Check to see if the battery power is too low or completely drained. Check to see if the system is in suspend mode. Use the stylus to tap on the screen to check if the display will activate. Replace a charged battery or plug in the AC/DC adapter to charge the battery.
The reco TX cannot be turned on when not connected to AC power	Make sure the battery pack is inserted. Make sure the battery switch is in the lock position. The battery power may be too low to run the reco TX. Try connecting to AC power.

Resetting



In order to reset the reco TX hardware to the factory defaults completely, the reset button on the top left can be pressed with the help of the stylus.

Overview

Welcome to the **TEQSAS reco TX**.

This is the hardware user guide for our remote control pad. For the software applications, please refer to the relevant software user guides.

Equipment checklist

Carefully unpack the **reco TX** from the box. Check to make sure that the following accessories are included in the box. If you find any accessory missing or damaged, please contact the dealer immediately.

- reco TX pad
- Stylus
- AC Adapter
- AC Power Cord
- 2 Battery Packs
- Leather Carrying Case
- Docking Station

Embedded Accessories

- Backup Battery
- RTC Battery
- CompactFlash Storage Card (size depends on software application)
- WLAN Card

Technical specification

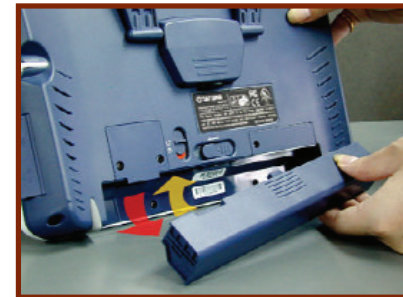
CPU	Transmeta 5800, 733 MHz
Memory	On-board 256 MB SDRAM
Storage	Built-in CompactFlash card (32, 64, 128, 512 or 1024 MB)
Display	10,4" TFT, touchscreen with 1024x768 resolution (XGA)
Housing	JIS = IP54: dust & water splash protected
Expansion slots	2 PCMCIA slots (One used for built-in WLAN Card, another accessible by the user) 1 Built-in CompactFlash slot (IDE, used for CF system card)
Input/output	1 DC-in power jack 1 standard USB port 1 stereo headphone jack 1 microphone jack and built-in microphone 1 built-in speaker
Adapter	INPUT: AC100 V~240 V, 50/60 Hz OUTPUT: DC16 V; 2,5 A
Battery	Battery life: 2,5~3 hours with full operation ability Battery charging time: at least 2,5 hours
Weight	1,43 kg
Dimensions	WxDxH: 290 mm x 220 mm x 30,5 mm (min.) up to 41 mm (max.)
LED indicators	Power LED Battery charge LED RF strength LED

Quick start procedure

Starting

The reco TX has two power sources, battery or AC (using the AC/DC converter). To operate the device with AC power, perform the following steps.

NOTE! In order to prevent accidental data lost, the device can only be powered on when the battery pack is in position.



1. Insert a fully charged battery



2. Lock the battery latch

Note! The system will not power on if the battery is not in position and if the battery latch is not in the lock position.

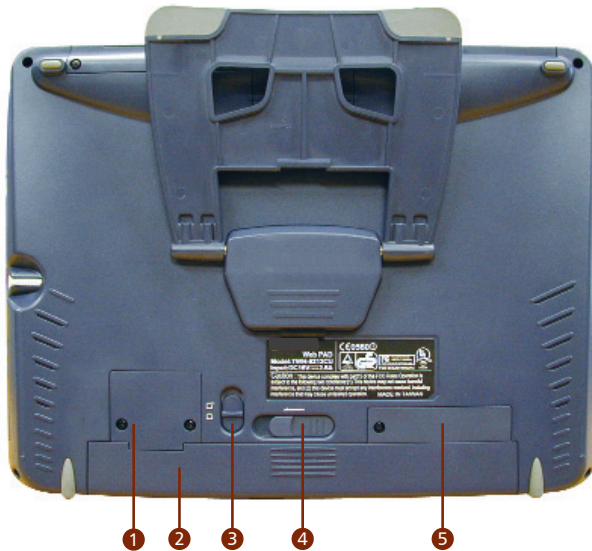


3. Plug one end of the AC adapter into the DC-In jack and plug the other end into an electrical outlet. The power source can range from 100 to 240 V at 50 or 60 Hz.



4. Turn on the reco TX by pressing the power button. The system is turned on and the application specific start screen will appear (see software application user guide).

Back view



- 1 Battery connector cover
- 2 Battery pack
- 3 Battery latch
- 4 Battery release switch
- 5 IDE compact FlashCard slot cover



- 6 Backup Battery and RTC Battery Cover
- 7 Back Stand/Handle

Features

Front view



Application specific function keys (see software application guide)

- 1 Function key 1
- 2 Function key 2
- 3 Function key 3 (keyboard)
- 4 Function key 4 (server change)

General function keys

- 5 Direction key (can be configured via setup)
- 6 Enter key

Indicators

- 7 Power LED
- 8 Battery charge LED
- 9 RF strength LED

Other I/O units

- 10 Built-in microphone
- 11 Built-in speaker
- 12 TFT touchscreen (perform operations and input data by tapping and writing directly on the screen)

The LED indicators display useful information of the battery status and charge level, as well as signal strength of the RF signal from the base station:

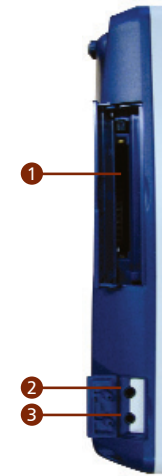
	Power LED	Battery charge LED	RF LED
Off	Power off or suspend mode	Not charging	Signal strength = 0 (no signal)
Green	Power on	Fully charged	Signal strength = 4,5 (excellent)
Amber	Low battery < 8%	Charging	Signal strength = 2,3 (good)
Red	Extremely low battery (auto suspend) < 4%		Signal strength = 1 (very low)
Blinking red		Charge error (or battery not installed)	

Top view



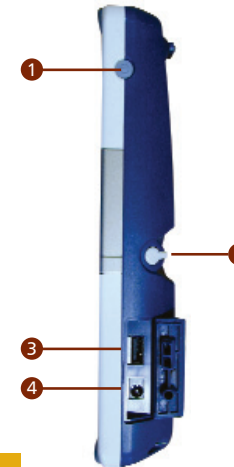
- 1 Serial Interface
- 2 Reset Button
- 3 USB port (USB host only)
- 4 Built-in WLAN card slot (54MBit/s, PCMCIA Type II) with embedded antenna module

Left view



- 1 PC card slot (PCMCIA II)
- 2 Headphone jack
- 3 Microphone jack

Right view



- 1 Power Button
 - Pressing the power button down more than 4 seconds will shut down the system.
 - Quickly tapping the power button will either put the system into suspend mode or display a power option menu (depends on software application).
 - The power button is disabled for 7 seconds after returning from suspend mode.
- 2 Stylus
- 3 USB port (USB host only)
- 4 DC-in jack (Input for the AC adapter which directly supplies power to the reco TX)