REV.	Δ	DESCRIPTION	E.C.N.	DATE	DRAWN	CHECKED
A			086	22/01/05		
B		According to FCC remarks				
C		FCC remarks 4/26/2005				
D		FCC remarks 5/25/2005				

NAME:

TDMA Reader-FP200HH
User Manual

DESIGNED	G.F.K.	10-Feb-2005	SHEET/OF
CHECKED	Y.S.	14-Feb-2005	1 / 8
APPROVED	M.N.	14-Feb-2005	
Q.A.	A.S.	15-Feb-2005	

PROD/PROJ: HANDHELD READER

2 1 4 0 7 2 0 1 7 0 0 0

SIZE **A**

Note:

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1) This device may not cause harmful interference, and
2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING! Changes or modifications to this unit not expressly approved by Telematics Wireless Ltd. could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his, own expense.

The antenna is printed on the circuit board and is an integral part of the unit.

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

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1. General Information

1.1 Introduction

The Handheld Reader (HH Reader) is a dual frequency, TDMA reader to be used in mobile application where the lightweight and friendly user interface is mandatory.
The HH Reader provides information access and setting for Telematics-Wireless electronic seals and transponders.

Note: Everywhere 2.4 GHz is mentioned, the actual real frequency is 2.44 GHz.

1.2 Purpose

The purpose of this document is to provide detail instruction for activating the HH Reader.

1.3 Preparation

Before initializations of the HH Reader, make sure you have the following:

1. 1 x HH Reader
2. 1 x AC line charger
3. 1 x Dual frequency Telematics-Wireless electronic seal.

2. CONTROLS and INDICATORS

2.1 TDMA Reader

The ON/OFF switch of HH Reader is the ON/OFF switch of the iPAQ.

After turning the unit ON, the iPAQ will display the same display as before turning it OFF.

If the system window shown in Fig.1 appears, push the right upp er switch, Fig.2, of the iPAQ lower part and get Fig.3 application screen.

Fig. 1: ***System screen***

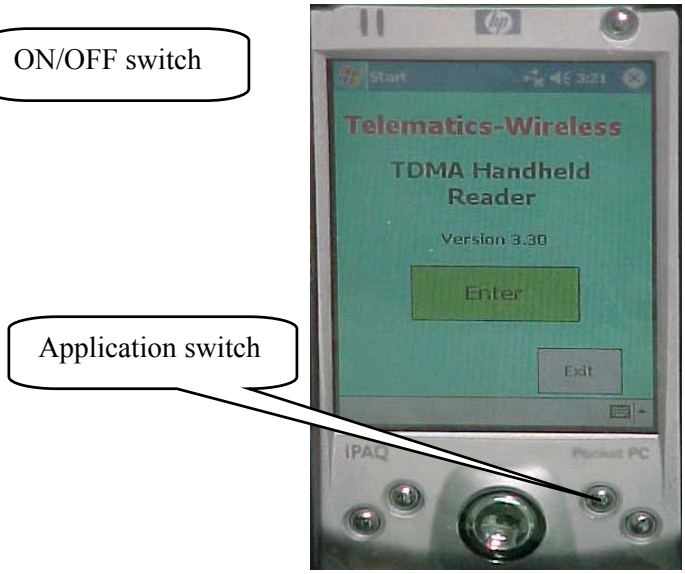

Fig. 2: ***Application swich***

Select “Enter” and get “Tag Search” screen – Fig.4

Select “Tag search” and get in the list, the tag that is being used in this procedure. – Fig.5

Fig. 3: ***Application screen***

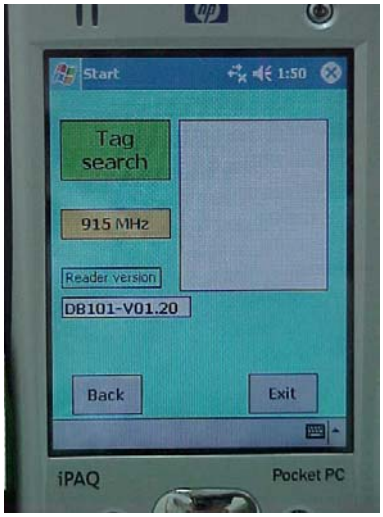

Fig.4: ***Tag search screen***

Fig. 5: ***Tag list***

Change frequency to 2.4 GHz – Fig.6

Select “Tag search” and get in the list, the tag that is being used in this procedure. – Fig.7

Fig. 6: ***2.4 GHz***

Fig.7: ***2.4 GHz Tag list***

Select “exit” and exit the application to system screen

Now you can turn the power OFF.

2.2 Charging

The HH Reader has a single charger for both the iPAQ and the reader electronic board. The charger connector is located in the HH Reader bottom side.

Open the black rubber cover on the bottom side of the HH Reader – See Fig.8.

Connect the charger to charger connector of the HH Reader, – See Fig.9.

Wait for the power indicator of the iPAQ, see Fig.10, to stop blinking and turn ON constantly. Now the HH Reader is fully charged.

Note: When operating from battery, this indicator is OFF.

Fig. 8: ***Bottom cover***

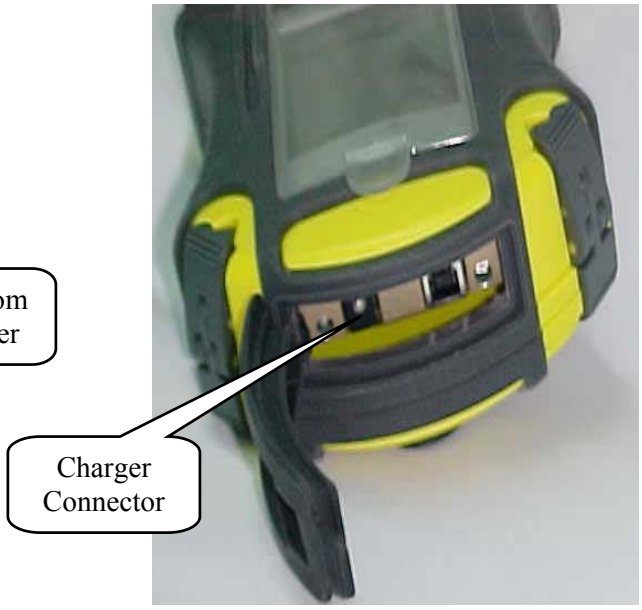

Fig.9: ***Charger connector***

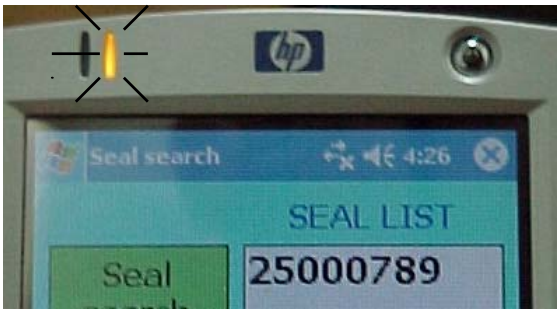

Fig.10: ***Charger indicator***

2.3 Errors Conditions

Error message	Reason	To do
	▪ TDMA reader is off ▪ Coomunication with TDMA reader lost	1. Exit application 2. Turn TDMA reader on 3. Restart application
	▪ RF interference ▪ Reader not pointing seal ▪ Seal out of range	1. Make sure within range 2. Hold reader toward seal 3. Redo last operation