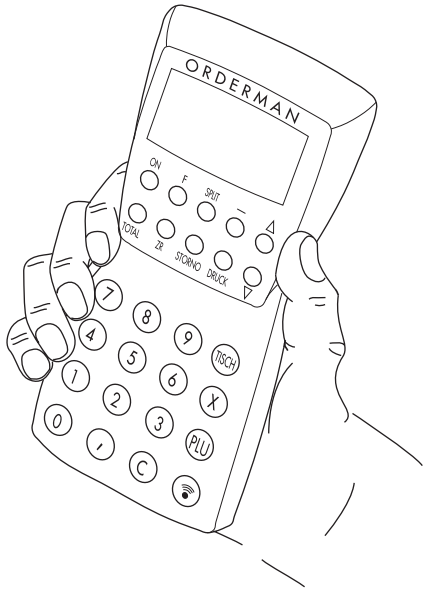

ORDERMAN®

Operating Manual

Your Customer Service:

Edition 11/96

think dig High Tech Solutions

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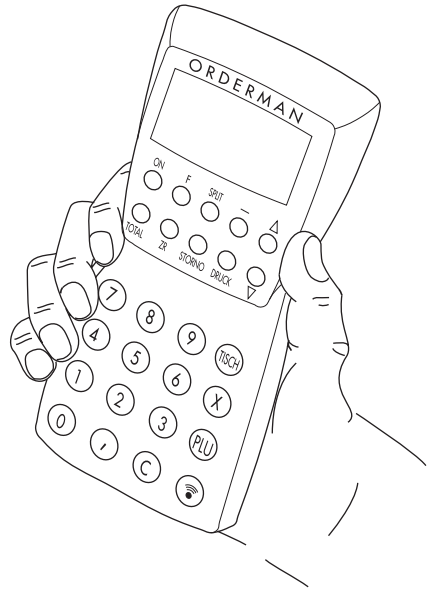
ORDERMAN®



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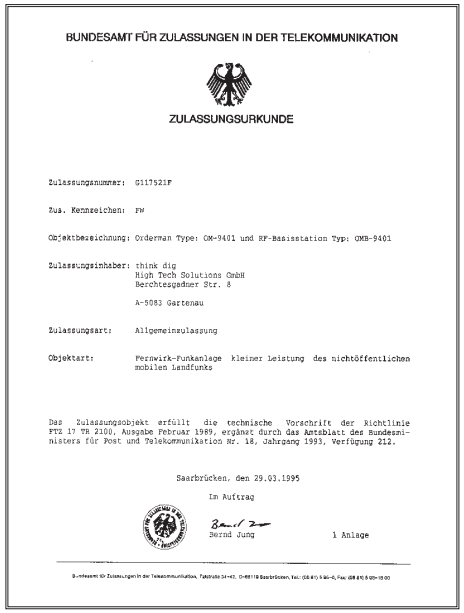
CERTIFICATE OF APPROVAL



BUNDESAMT FÜR ZULASSUNGEN IN DER TELEKOMMUNIKATION

ZULASSUNGSURKUNDE

Zulassungsnummer: G117521F

Zus. Kennzeichen: FW

Objektbezeichnung: Orderman Type: OM-9401 und RF-Basisstation Typ: OMB-9401

Zulassungsinhaber: think dig
High Tech Solutions GmbH
Berchtesgadner Str. 8

A-5083 Gartenau

Zulassungsart: Allgemeinzulassung

Objektart: Fernwirk-Funkanlage kleiner Leistung des nichtöffentlichen mobilen Landfunks

Das Zulassungsobjekt erfüllt die technische Vorschrift der Richtlinie FTZ 17 TR 2100, Ausgabe Februar 1989, ergänzt durch das Amtsblatt des Bundesministers für Post und Telekommunikation Nr. 18, Jahrgang 1993, Verfügung 212.

Saarbrücken, den 29.03.1995

Im Auftrag

Bernd Jung

1 Anlage

Germany:

BZT G117 521F FW

Austria:

funkzugelassen
CEPT LPD A

ORDERMAN MODEL PLAQUE

ORDERMAN®

Type: OM-9401
S/N: B SB
Made in Austria
nur mitgeliefertes Steckernetzgerät verwenden
use specified charger only
think dig High Tech Solutions GmbH

STORAGE BATTERY MODEL PLAQUE

Type: OMP-9401 S/N: A12693SB
NI-CD BATTERY PACK 7,2V 600mAh
Use specified chargers only. Do not short-circuit. May explode if disposed of in fire

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General Information....3
Safety Instructions....4
Technical Data....5
Keyboard....6
Display....7
Setup Menu....8
Setting-into-Operation....12
Power Supply....13
Operation....15
Maintenance....16
Certificate of Approval....17
Model Plaques....17
Authorization for Usage in... 18

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.

Information to user: Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

ORDERMAN® think dig High Tech Solutions

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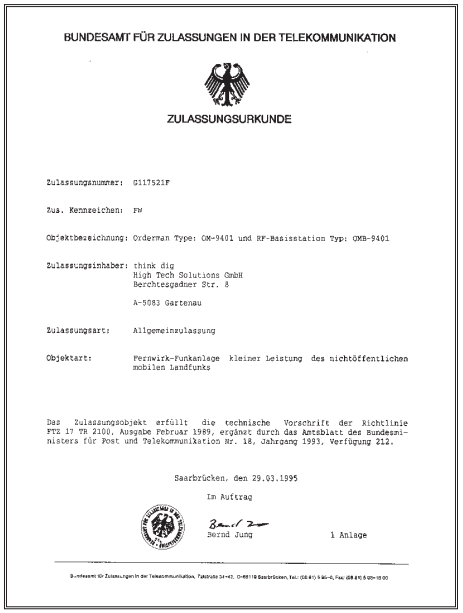

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Certificates, Plaques
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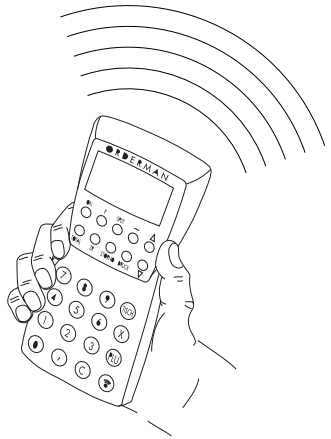
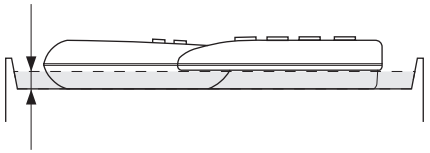
OPERATING



Never hold the Orderman in the area of the integrated antenna. This could lead to range impairments.

Placement on a Tray



Always place the Orderman with the storage battery side on the tray. The Orderman is waterproof up to a height of 10 mm.

Free Fall

Experiments with free falling from a height of approx. 1 - 1.2 meters merely left damage to the surface (cracks) of the housing.
The Orderman remains functional.

SAFETY INSTRUCTIONS

Carefully read through this operating manual before setting the Orderman into operation.

The Orderman is only to be run with the supplied storage battery and power pack.

The Orderman complies with CE-guidelines and has the approval of the Federal Bureau for Approval in Telecommunication.

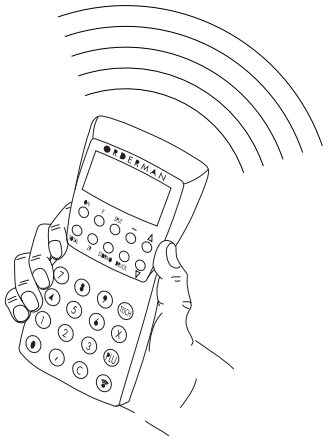
Warning

The Orderman should never be exposed to rain, hale or snow fall.

The Orderman is not to be disassembled. There are no parts inside the Orderman which can be serviced by a non-specialist. Contact Customer Service for repairs.

ORDERMAN®

OPERATING



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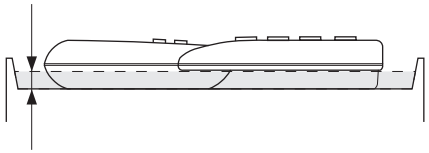

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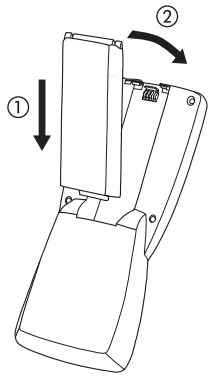
POWER SUPPLY

The power supply takes place by means of a storage battery.

Inserting the storage battery



Insert the storage battery without force.

Never touch the contacts on the Orderman - risk of breakage !

Permanent service life

- with backlight ..... approx. 2 hours, 40 min
- without backlight ..... approx. 12 hours

Before the storage battery is completely discharged, the storage battery's warning symbol on the display begins to blink. This serves as notification that the storage battery is to be recharged or replaced.

KEYBOARD

Description of the Keyboard

The keyboard can be randomly configurated from the application program. For the exact function and usage of the individual keys, refer to the description of the application program.

ON ..... ON/OFF key

Key name and definition:

F ..... function key
SPLIT ..... splitting
- ..... minus
Δ ..... upwards
TOTAL ..... total
ST ..... subtotal
CANCEL ..... cancel
PRINT ..... print
∇ ..... downwards
TISCH ..... choice of table
X ..... multiplication
PLU ..... price look up
, ... comma
C ..... clear
0 - 9 ..... digit keysten
..... enter, confirm

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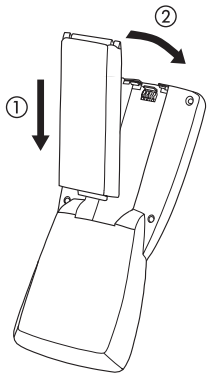

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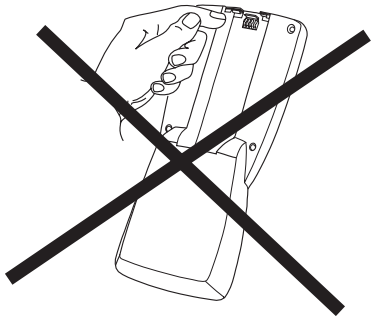

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Power Supply
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Keyboard
Page 6

With the key, the display of both arrows can be switched on/off. If the arrows are displayed, the time for the automatic switch-off can be modified through the keys ▲ ▼ Intervals of 1 to 7 minutes can be set. „-“ means that the switch-off function is deactivated.

Exit

After having made the required changes, move the pointer to the „exit“ field and confirm with .
The question „save“ appears:

1 for yes ..... changes are permanently stored
0 for no .....changes are not permanently stored, but remain active until switch-off.

The Orderman now starts normal operation.

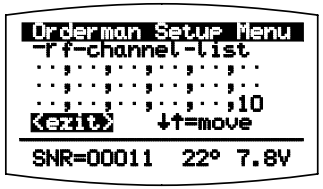
SETUP MENU

The setup menu serves to set the background lighting, contrast, automatic switch-off and the radio channels.
The setup menu is accessed by pressing the key during which the ON key is slightly pressed, turning on the Orderman.

The following image appears:

SNR ..... Orderman's serial number
22° ..... internal temperature
7.8V ..... voltage of the storage battery
channel..... transmission channel
backlight..... background lighting
contrast..... contrast light/dark
power-off..... automatic switch-off
exit ..... terminate
The individual points can be selected by the ▲ ▼ keys and confirmed by .

Setting the Channels



Attention: The channels are determined during installation and may not be changed, as otherwise the radio connection is interfered with !

The radio channels of all radio frequency basis stations to be found in the system must be entered in the channel list (but no others).

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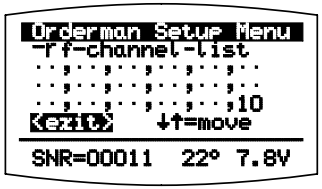

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Austria	GZ412120-ZB/94
	GZ358967-ZB/95
Germany	G117521F
Switzerland	BAKOM 95.0394.K.P.
Denmark	ALR 9539 TELESTYRELSEN
Greece	GREECE EK 394
	GREECE EK 395
Belgium	RTT/D/X1219
The Netherlands	NL95092270
	NL95092271

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	GREECE EK 395
Belgium	RTT/D/X1219
The Netherlands	NL95092270
	NL95092271

Authorization for Usage in ...
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GENERAL INFORMATION

The Orderman has been specially designed for the food & beverage industry. It is an electronic radio ordering pad component of an ordering system.

An ordering system, at a minimum, consists of an Orderman, a radio frequency basis station and a host computer with an application program.

The application program on the host computer controls the entire dialog to the Orderman.

Only the standard unit is described in this manual. If the manufacturer of the utilized application program had his requirements adapted to the unit, refer to this in the description of the application program.

MAINTENANCE

High Temperatures

Do not expose the Orderman to extremely warm irradiation (i.e., direct sun light, heaters).

Repairs

Never attempt to disassemble the Orderman. There are no parts in the interior which can be serviced by a non-expert.

Contacts

Never touch the contacts on the Orderman - danger of breakage.

Cleaning

Wipe off the Ordermann with a clean, soft cloth. Never use any cleaning agents, chemicals or compressed air to remove dust.

Liquids

The Orderman is splashproof (IP 54) and liquid-resistant up to the seam.
If any liquid penetrates into the Orderman, it can become damaged in this way. Should liquid have penetrated into the unit, it must be examined by our Customer Service for any possible damages.

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TECHNICAL DATA

Splashproof ..... IP 54

Integrated antenna within the display area

Frequency range..... 433.050 MHz - 434.790 MHz
Operating frequency ..... 433.175 MHz - 434.650 MHz

Radio output ..... less 10 mW
(compare with radio telephone up to 600 mW)

Signalling frequency ..... 9,600 baud

Range
- in buildings ..... up to 50 m
  Planar occulation ..... up to 7,800 m^2

  Note: Building construction and metal parts could influence the range.

Nominal voltage of the storage battery ..... 7.2 V

Service life of the storage battery
- permanent with „backlight“ .. up to 2 hours, 40 min
- without „backlight“ ..... up to 12 hours

Storage battery's charging time with
- power pack on the Ordermann ..... max. 6 hours
- charging station ..... max. 1 hour, 30 min

Dimensions ..... 90 (W) x 190 (W) x 28(D) mm

Weight of the storage battery ..... 390 g

Operating temperature range ..... -10°C to +40°C

Power pack
- input voltage ..... 220-240 V ~, 50-60 Hz
- max. power consumption
  from power supply 84mA/19.4VA

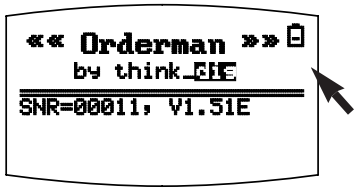
Number of the Certificate of Approval
from the Federal Bureau for Approvals
inTelecommunication (GFR) ..... G117521F FW

Supplied Accessories

1 operating manual

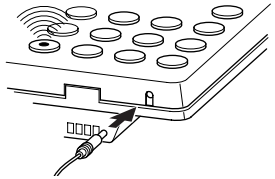
1 power pack

1 storage battery



Recharging the Storage Battery

The recharging of the storage battery takes place by plugging in the power pack. The unit can be used during the loading procedure.
The loading time of a completely discharged storage battery amounts to a max. of 6 hours. During the charging process, the red light in the „0“ key lights up (when viewing, can be dimmed by placing a hand over it). When the red light begins to blink, the charging process is ended (Compensation operation to off-set self-discharging).



General Advice

Never short-circuit the contact surfaces of the storage battery!
Do not open the storage battery's housing!
Only the storage battery in our supply range is to be used.
In order to avoide short circuiting, do not overheat the storage battery.
Do not place the storage battery in an open fire - **danger of explosion!**
If the Orderman is not being used for a longer period of time, remove the storage battery and store it in a cool, dry place.
The serice life of the storage battery can be extended by occasionally using the Orderman up to the storage battery's warning.
A defective storage battery is to be disposed of according to the local authorities'regulations for NiCd batteries.

ORDERMAN® thinkdig High Tech Solutions

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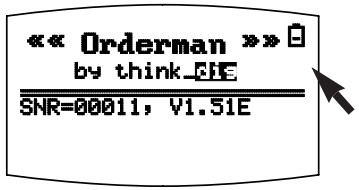

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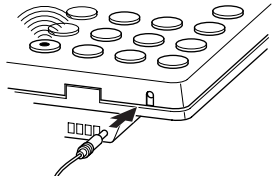

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A defective storage battery is to be disposed of according to the local authorities'regulations for NiCd batteries.

Special Keys

The display contrast can be modified by combining the following keys:

ON + △ ..... increase contrast

ON + ▽ ..... decrease contrast

This modification is not permanently stored and is only valid until switching off the Orderman. For a permanent modification,see the chapter "Set-up Menu".

DISPLAY

2 sizes of lettering are available:

- 6 x 8 matrix
- 8 x 14 matrix

Depending on the lettering and its size, up to 8 lines with 21 characters each can be displayed.

Graphics can likewise be shown on the display.

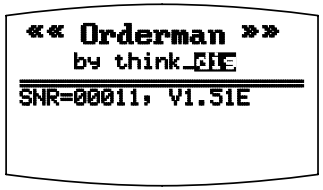
General Reference

The display can be randomly controlled from the application program on the host computer. Refer to the description of the application program on the different display layouts (input masks, etc.)

SETTING-INTO-OPERATION

Setting-into-operation takes place by quickly pressing the ON key.

The following display appears:



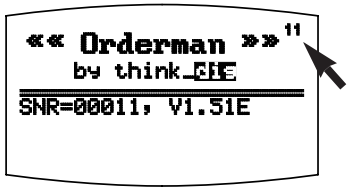
SNR .....s erial number of the Orderman

V1.51E ..... Software version

Before the first setting-into-operation, verify the settings in the Setup menu.

No radio connection

If no radio connection to a radio frequency basis station exists (i.e., outside of the radio range), digits appear on the display in the upper right-hand corner.



These display the radio channel change. The Orderman attempts to pick up radio connection to a radio frequency basis station.

Note: Inverse-displayed digits can also mean that the entered data cannot be accepted by the host computer.

ORDERMAN®

Special Keys

The display contrast can be modified by combining the following keys:

ON + △ ..... increase contrast

ON + ▽ ..... decrease contrast

This modification is not permanently stored and is only valid until switching off the Orderman. For a permanent modification,see the chapter "Set-up Menu".

DISPLAY

2 sizes of lettering are available:

- 6 x 8 matrix
- 8 x 14 matrix

Depending on the lettering and its size, up to 8 lines with 21 characters each can be displayed.

Graphics can likewise be shown on the display.

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ORDERMAN®

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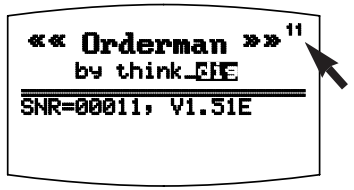

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Note: Inverse-displayed digits can also mean that the entered data cannot be accepted by the host computer.

This is the only way to guarantee that the Orderman is functioning perfectly in the entire area. The order and position of the entries is of no importance.

The following keys are available:

(wifi) .....alternate between „move“ and „change“

▲ , ▼ .....Pointer moves when „move“ is indicated.
Radio channel setting is changed one time each when „change“ is indicated

„-, print“ ....Radio channel setting is changed ten times when „change“ is indicated.

(C) .....Radio channel setting is cancelled at the present pointer position.

Setting of Backlight

The background lighting can be set by the (wifi) key as follows:

- always on ..... always in operation

- off ..... always shut off

- 1-99 secounds by the keys ▲ ▼ and (wifi).

Setting of Contrast

With the (wifi) key, the display of both arrows can be switched on/off. If the arrows are displayed, the contrast can be changed through the ▲ ▼ keys. The result can be seen immediately on the display.

Setting of Power-off

After expiration of the set time, the automatic switch-off disconnects after the Orderman's last key depression.

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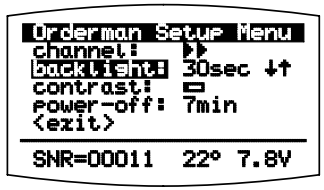

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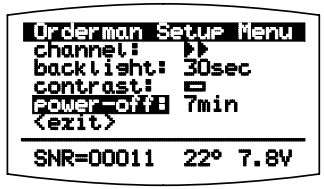

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