DIBAL

500 RANGE

THE NEW SCALES CONCEPT

WIND

MISTRAL

TORNADO

STAR

DIBAL

500 RANGE SCALES

New 500 Range

- The new **500 RANGE** retail scales of DIBAL, brings a new concept in technology and ease of operation. With **4 SERIES of products,** featuring different levels of functionality:

WIND MISTRAL TORNADO STAR

Capacities

- **Mono-range (3.000 divisions):**
  15 kg - 5 g
  30 kg - 10 g

- **Multi-range (3.000 divisions):**
  6 kg - 2 g # 15 kg - 5 g
  15 kg - 5 g # 30 kg - 10 g

- **Mono-range (6.000 divisions):**
  12 kg - 2 g
  30 kg - 5 g

Segment Display "Superlux"

Graphic display "L"

Graphic display "XL" (big size)
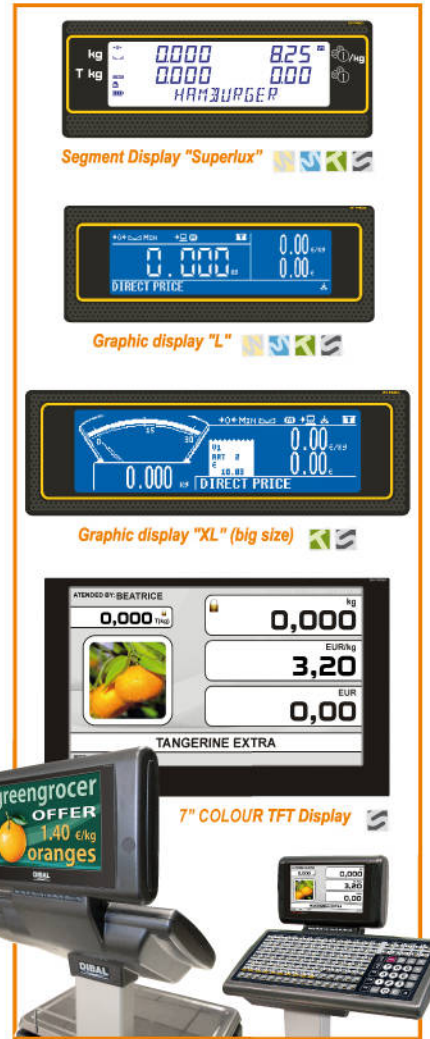

7" COLOUR TFT Display

Amazing functionality

- Depending on the model, the scales can have up to: **10.000 PLUS, 95 preset keys and 20 vendors**.
- **Complete information for each PLU,** including (dep. on model) offer price, prices by weight segments, per kg/100 g, description (up to 3 lines), free texts (up to 20 texts + 1 text of 1.024 characters), profit codes,...
- **Sales and management reports:** sales, margins, cash drawer report, last modified PLUs,...
- **Stocks management.**
- **Fast and reliable communications** among scales, PC and mobile devices including new **DWS (Dibal Web Server).**

Display

- **500 RANGE** offers a choice of **4 different displays.**
- All of them can show weight, price, total and tare, active vendors and name of the product.
- Additionally, **graphic displays** can show logos, profitability codes (in vendor side), publicity with special dynamic effects*,... and allow the user to choose between **4 different "screen designs".**
- Double body format scales, in STAR Series, can incorporate **high resolution 7" COLOUR TFT display,** in buyer's and vendor's side. This display can show **product pictures** during sale operations, as well as **advertising messages** when the scale is at rest.

Table of Models

SERIES	MODEL	FLAT (F)	TOWER (T)	DOUBLE BODY (DB)	HANGING ABS (HA)	HANG. ST. STEEL (HS)	SELF-SERVICE (SS)	SUPERLUX LCD	GRAPHIC LCD L	GRAPHIC LCD XL	COLOR TFT 7"	TOTAL PLUs	DIRECT PLUs (maximum, dep. on format)	MACROS	VENDORS	PAPER TYPE	SPEED max (mm/s)	LINERLESS	INTER-CONNECTION (ETHERNET) Nº SCALES	ETHERNET TCP/IP	WI-FI IEEE 802.11	HOMEPLUG	SCANNER	CASH DRAWER	USB PORT	HIGH CAPACITY + EXT. BAT. CON.	ANTI BLACK-OUT + EXT. BAT. CON.
WIND	W-010	●	●					●				2.000	45x2 + 4x2**	–	5	Receipt	80		5	●	OPT.	OPT.*	●				OPT.*
	W-010 B	●	●					●				2.000	45x2 + 4x2**	–	5	Receipt	60		5	●	OPT.		●	●			
	W-015	●	●					●				2.000	45x2 + 4x2**	–	5	Label or Receipt	80		5	●	OPT.	OPT.*	●				OPT.*
	W-020	●	●					●	OPT.			5.000	40x2 + 9x2**	2	10	Receipt	100		10	●	OPT.	OPT.*	●	●			OPT.*
	W-020 B	●	●					●	OPT.			5.000	40x2 + 9x2**	2	10	Receipt	60		10	●	OPT.		●	●		●	
	W-025	●	●					●	OPT.			5.000	40x2 + 9x2**	2	10	Label or Receipt	100		10	●	OPT.	OPT.*	●	●			OPT.*
MISTRAL	M-510	●	●	●	●	●		●				2.000	45x2 + 4x2**	–	5	Receipt	80		5	●	OPT.	OPT.*	●				OPT.*
	M-510 B	●	●	●				●				2.000	45x2 + 4x2**	–	5	Receipt	60		5	●	OPT.		●	●			
	M-515	●	●	●	●	●*		●				2.000	45x2 + 4x2**	–	5	Label or Receipt	80		5	●	OPT.	OPT.*	●				OPT.*
	M-520	●	●	●	●	●		●	OPT.			5.000	40x2 + 9x2** (F, T) / 70x2 + 9x2** (DB, HA, HS)	2	10	Receipt	100		10	●	OPT.	OPT.*	●	●			OPT.*
	M-520 B	●	●	●				●	OPT.			5.000	40x2 + 9x2** (F, T) / 70x2 + 9x2** (DB)	2	10	Receipt	60		10	●	OPT.		●	●		●	
	M-525	●	●	●	●	●*	●	●	OPT.			5.000	40x2 + 9x2** (F) 100 (SS) / 70x2 + 9x2** (F, DB, HA, HS)	2	10	Label or Receipt (only Label in Self-Service)	100	OPT.	10	●	OPT.	OPT.*	●	●			OPT.*
TORNADO	T-530			●	●	●			OPT.	OPT.		8.000	60x2 + 19x2**	5	20	Receipt	100		16	●	OPT.	OPT.*	●	●	OPT.*		OPT.*
	T-530 B			●					OPT.	OPT.		8.000	60x2 + 19x2**	5	20	Receipt	60		16	●	OPT.			●	OPT.*		
	T-535	●	●	●	●	●*	●		OPT.	OPT.		8.000	30x2 + 19x2** (F) 60x2 + 19x2** (HA, HS) 90x2 + 19x2** (T) 95x2 + 19x2** (DB) 100-150-208 (SS)	5	20	Label or Receipt (only Label in Self-Service format)	100	OPT.	16	●	OPT.	OPT.*	●	●	OPT.*		OPT.*
STAR	S-540			●	●	●			OPT.	OPT.	OPT.***	10.000	60x2 + 19x2**	60	20	Receipt	100		16	●	OPT.	OPT.*	●	●	OPT.*		OPT.*
	S-540 B			●					OPT.	OPT.		10.000	60x2 + 19x2**	60	20	Receipt	60		16	●	OPT.		●	●	OPT.*	●	
	S-545	●	●	●	●	●*	●		OPT.	OPT.	OPT.***	10.000	30x2 + 19x2** (F) 60x2 + 19x2** (HA, HS) 90x2 + 19x2** (T) 95x2 + 19x2** (DB) 100-150-208 (SS)	30 (F) 60 (HA, HS) 90 (T) 95 (DB) 100 (SS)	20	Label or Receipt (only Label in Self-Service format)	100	OPT.	16	●	OPT.	OPT.*	●	●	OPT.*		OPT.*
	S-547			●	●	●*			OPT.	OPT.	OPT.***	10.000	60x2 + 19x2**	60	20	2 Printers R and L	100	OPT.	16	●	OPT.	OPT.*	●	●	OPT.*		OPT.*

OPT. = Optional.   ** Available soon.*   *** Using Shift and Vendor keys.*   **** COLOR display available soon and only for Double Body format.*

Printing

- **High resolution and fast printer:** up to 80 mm/second in W-010/015 and M-510/515, and **up to 100 mm/second** in the rest of models (60 mm/s in models "B" with internal rechargeable battery).

- **Receipts and labels design and information are fully configurable:**

Receipts:
- Up to 4 formats.
- 4 logos per receipt.
- Vendor's name.
- 9 payment modes.
- Total in €, old national currency and 2 additional currencies.
- Discounts on line and total.
- Loyalty points (TORNADO and STAR).
- Clients on account (TORNADO and STAR).
- Recipes (TORNADO and STAR).

Labels (dep. on model):
- Up to 60 different formats.
- From 30x30 up to 60x150 mm.
- 40 logos (100 in STAR Series).
- 40 fields of information in WIND and MISTRAL Series (60 in TORNADO and STAR) and 100 programmable texts.
- Pre-packing and self-service modes.
- 3 levels of totals (except for W-015 and M-515).
- Continuous printing of a programmed number of copies of a label.

Cassette (scales with label printer)

- Inmediate change of the paper roll, featuring a **cassette** (except for WIND Series).

Receipt printer *Label printer*

Butcher's shop DIBAL

21/MAY/11	10:58	OP:00001

Art	kg	€/kg	€
1	TURKEY BREAST		
	1.180	2.40	2.83
	-10%	-	0.2
2	SIRLOIN STEAK		
	0.795	16.30	12.9
3	GOUDA CHEESE		
	0.510	8.75	4.1

TOTAL (3)	19.97

| V.A.T. | 7.00% | 1 |
| V.A.T. | 4.00% | 0 |

| TENDERED | 20 |
| CHANGE | |

2 500015 019977

WEEKLY OFFER
VEAL SIRLOIN 12,71 €/Kg

THANK YOU FOR YOUR VISIT

| Loyalty points: | 9 |
| Att. by: | STEVE WHITLAND |

Butcher's shop DIBAL
VEAL SIRLOIN
Reference number:
Slaughtered in: 060107 34
Cutting in: SPAIN

Fruit Shop DIBAL
RASPBERRY

Pack date	Batch number
12.07.2011	124247

Sell-by date 19.07.2011

€/kg	Weight kg
11,60	0,280

| TOTAL EURO | 3,25 |

2 000022 003254

- **Linerless** (adhesive paper rolls without backpaper):

- M-525, T-535 and S-545/547 models can be supplied with a **"linerless" option, to print adhesive labels/receipts without backpaper.**

- The cost of linerless rolls are lower than die cut label rolls. The scale can print labels of variable length -with no waste of paper- or adhesive receipts (that can be used to close the customer bag).

- The linerless system benefits our environment, as there is no backpaper waste.

- The Dibal scales with linerless option can also print conventional receipts or labels, simply changing the "cassette" and the operation mode.

Barcodes

- **500 RANGE** scales can print in both receipts and labels **EAN-13 and GS1 DataBar.** STAR models can also print **EAN-128.**

- Moreover, **500 RANGE** scales also allow the **connection of a scanner*** to read these barcodes. The scanner can be **powered by the scale.**

2 500017 000850   (00) 1 0614141

* Except for W-010/015 and M-510/515.

Generic traceability (labels)

- Including **EU Bovine Meat Regulations** and, depending on model, up to **10 types of generic traceability** (for meat, fish, fruits, vegetables, …).

Models and formats

- ☐ **Flat and Pole "XL",** with receipt printer or label/receipt printer.

- ☐ **Flat and Pole,** with receipt printer.

- ☐ **Flat and Pole,** with label/receipt printer.
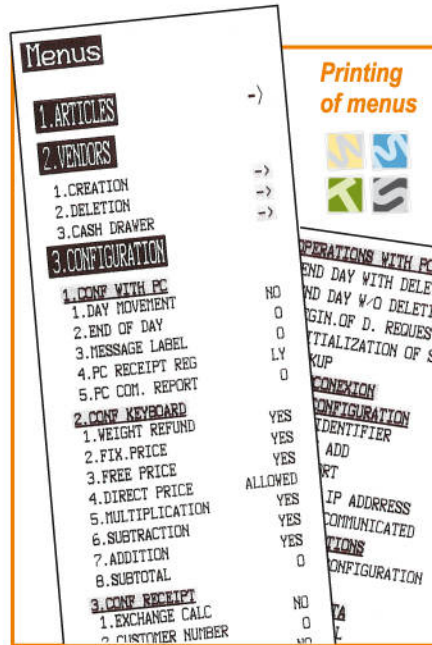
500 RANGE SCALES

DIBAL

Easy programming and operation

- **500 RANGE** scales have been designed thinking on the needs of **users** and **service departments:**

- **"Drill-Down" Menus.**

- **Menus can be printed** in the scale.

- **Special keys for direct access to programming menus:** change a price, include a new PLU or vendor, sales reports,...

- **Direct access to 999 PLUs from keyboard.**

- **Programmable "Macros" system:** sequence of keys assigned to a preset key, for direct access to specific functions of the end user: change of batch number, access to programming parameters, receipt reopening, reports, etc...

The number of macros available depends on the model: 2 in W-020/025 and M-520/525, 5 in T-530/535 and as many as direct PLU keys in STAR models (which also have 10 specific macro keys).

- **Security:** configurable password system.

Direct keys to programming menus

Direct access to 999 PLUs

Menus

1. ARTICLES
2. VENDORS
   1. CREATION
   2. DELETION
   3. CASH DRAWER
3. CONFIGURATION
   1. CONF WITH PC
      1. DAY MOVEMENT   NO
      2. END OF DAY   O
      3. MESSAGE LABEL   O
      4. PC RECEIPT REG   LY
      5. PC COM. REPORT   O
   2. CONF KEYBOARD
      1. WEIGHT REFUND   YES
      2. FIX.PRICE   YES
      3. FREE PRICE   YES
      4. DIRECT PRICE   ALLOWED
      5. MULTIPLICATION   YES
      6. SUBTRACTION   YES
      7. ADDITION   YES
      8. SUBTOTAL   O
   3. CONF RECEIPT
      1. EXCHANGE CALC   NO
      2. CUSTOMER NUMBER   O

Printing of menus

Macros system

85 M10 200 86 M9 201 87 M8 202

"Drill-Down" menus

1. ARTICLES		
2. VENDORS		
3. CONFIGURATION	3.1 CONF. WITH PC	
4. TEXTS	3.2 CONF. KEYBOARD	
5. COMMUNICATIONS	3.3 CONF. RECEIPT	3.3.1 EXCHANGE CALC
6. FORMATS	3.4 CONF. LABEL	3.3.2 CUSTOMER NUMBER
7. DATA	3.5 CONF. PRINTING	3.3.3 RECEIPT CODE
8. REPORTS	3.6 CONF. EAN	3.3.4 RECEIPT TARE
9. SALES DELETION	3.7 CONF. OTHERS	3.3.5 DISCOUNT IN TOTAL

Fiscal mode (dep. on countries)

- When this option is activated, the scale will keep a **full copy of all receipts printed,** allows printing a list of them and keeps **consecutive numbers of receipts** throughout the fiscal period.

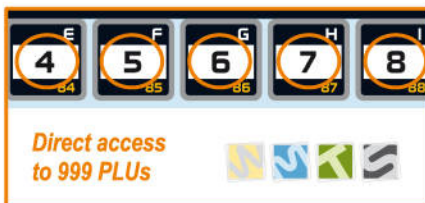## Stocks management in the scale

- **Entry** of initial stock.
- **Register of sales,** deducted from stock.
- Display and print **reports of stock by PLU.**
- **Adjustment of stock** after physical inventory.
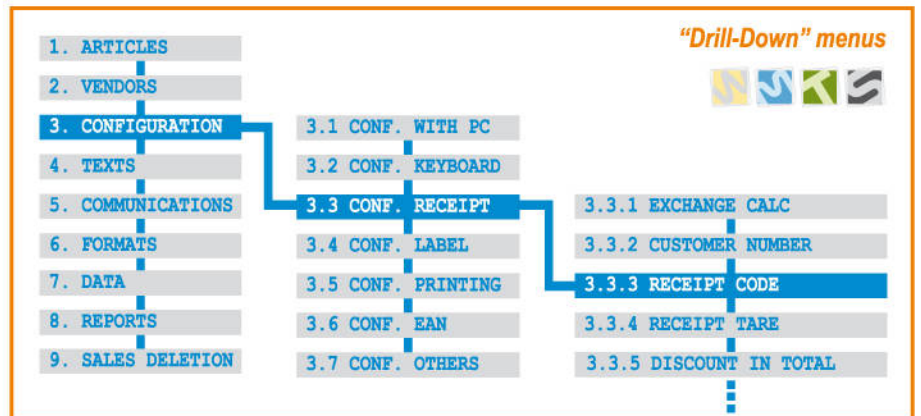- **Information can be sent to PC.**
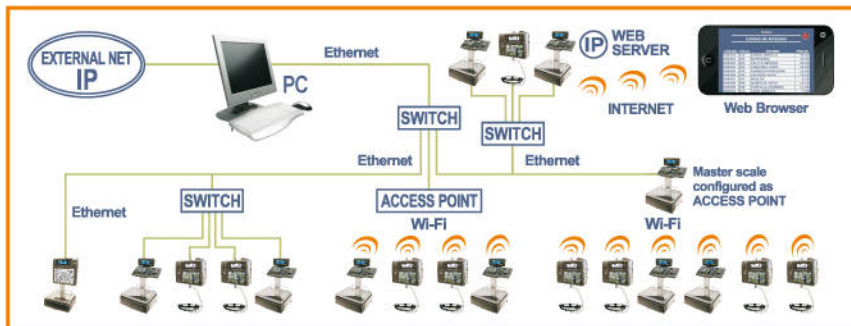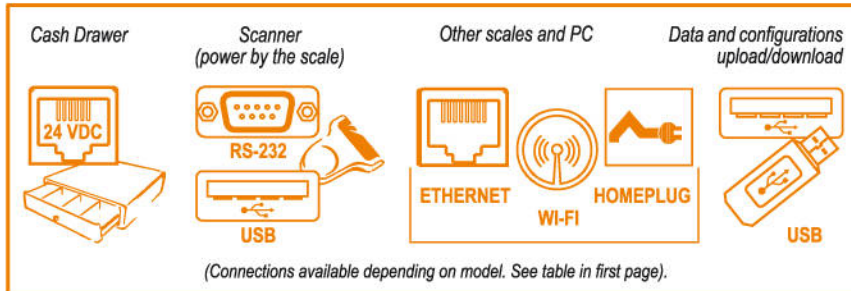
Double Body, with receipt printer, label/receipt printer or 2 printers: receipts + labels.

Hanging ABS, with receipt printer, label/receipt printer or 2 printers: receipts + labels.

Communications

- Interconnection and computer connection of **500 RANGE** scales is based on **Ethernet TCP/IP,** as standard, and **Wireless (Wi-Fi IEE802.11) or Homeplug,** as an option.

- In Wi-Fi communications, **Access Point is not needed,** as the new Wi-Fi internal module of 500 scales can be configured as Access Point.

- **Interconnection** of scales -from 5 to 16 per section, depending on model- operates on a Master+Slaves or Master+SubMaster+Slaves configuration.

Cash Drawer — 24 VDC

Scanner (power by the scale) — RS-232 / USB

Other scales and PC — ETHERNET / WI-FI / HOMEPLUG

Data and configurations upload/download — USB

(Connections available depending on model. See table in first page).

EXTERNAL NET IP — PC — Ethernet — SWITCH — IP WEB SERVER — INTERNET — Web Browser — ACCESS POINT Wi-Fi — Master scale configured as ACCESS POINT Wi-Fi

Easy maintenance

- **Internal firmware updateable from PC.**
- **Local/remote, with/without assistance.**
- **On line checking and modification of technical parameters,** by means of optional DWS (Dibal Web Server).
- Access to all non metrological components of the scales **without breaking metrological seals*** (except WIND Series).

*Available soon.

Long-range batteries

- **Mains:** 110 or 230 VDC.
- **"Anti black-out" battery** (dep. on models).
- **"B" models,** supplied with **long range internal rechargeable battery.**
- Optional **external battery** connector.

SERIES	MAXIMUM RANGE*
	36 Hours [1.000 receipts, 3 items/receipt]
	52 Hours [1.500 receipts, 3 items/receipt]

* Backlight off. Load and range of rechargeable batteries can vary substancially depending on temperature, age and general state of batteries, printing frequency, networking, etc.

DIMENSIONS

Dimensions in mm.

FLAT & POLE "XL" — Plate: 360 x 265 — 530 — 160 — 365 — 440

FLAT & POLE (RECEIPT) — 515 — 140 — 450 — Plate: 360 x 260

FLAT & POLE (LABEL) — Plate: 360 x 260 — 565 — 180 — 375 — 470 — 370

HANGING STAINLESS STEEL — 405 — 690 — 120

DOUBLE BODY — Plate: 360 x 280 — 547 — 375 — 470

Plates (hanging formats):
- Half-deep: Ø 310
- Deep: Ø 310
- Flat: 360 x 280
- Italian: 387 x 330

SELF-SERVICE — 680 — 700 — 375 — 375 — Plate: 360 x 280

HANGING ABS — 395 — 700 — 190

Hanging stainless steel, with receipt printer, label/receipt printer. or 2 printers: receipts + labels.

Self-service, with label printer.

Versions (Nº of Keys)

M-525 SELF-SERVICE	100
T-535 SELF-SERVICE	100 / 150 / 208
S-545 SELF-SERVICE	100 / 150 / 208

Industrial
Weighing

Weigh Price
Labellers

Checkweighers
and Graders

Metal
Detectors

Software

PC Software

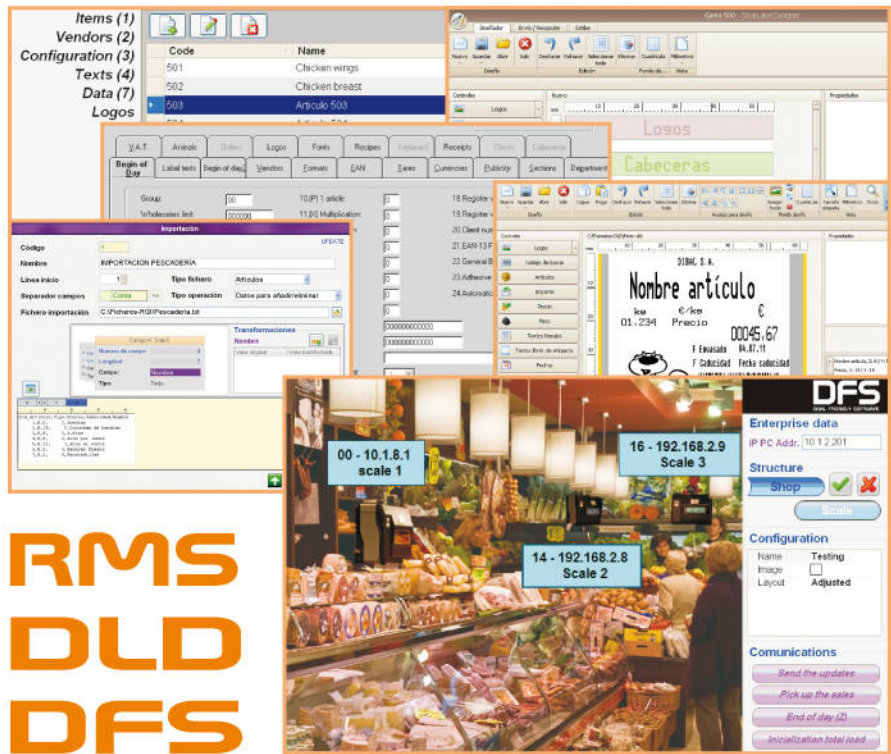- Several applications are available, running on Windows, to connect **500 RANGE** scales to PC:

RMS: Retail Management Software
DLD: Dibal Label Designer

- **RMS + DLD:** programming the scales, design receipts/labels (DLD) and **commercial management** of data received from scales (lists, invoices, warehouses, customers, offers, etc).

DFS: Dibal Friendly Software
DLD: Dibal Label Designer

- **DFS + DLD:** programming the scales, design receipts/labels (DLD) and reception of data from scales with fully configurable lists. It stands out for its **ease of use, speed of communication** and **simultaneous connection with all scales.**

- Moreover, Dibal supplies **integration tools** running on Windows or Linux, to facilitate the integration with the **"Back-Office"** of the customer.

RMS
DLD
DFS

DWS: Dibal Web Server

- **500 RANGE** scales can incorporate **DIBAL WEB SERVER (DWS),** allowing access to each scale -through the IP address- from any computer or mobile device (telephone, iPad, ...) with web browser. Access is protected by several levels of passwords.

- Thanks to DWS, **many parameters** of the scale can be remotely **checked and/or modified:**
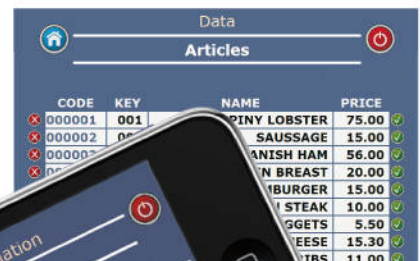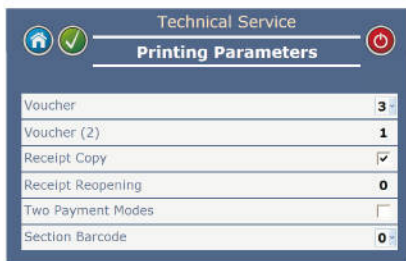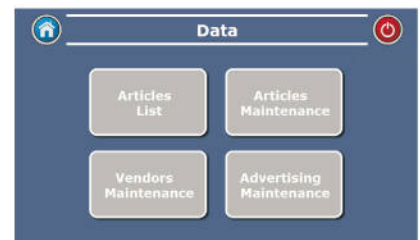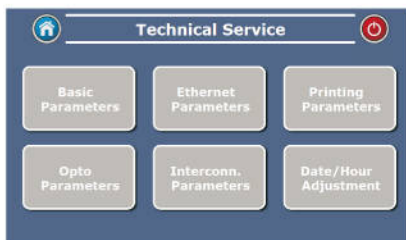
- **Technical Service.**
  Consult and modification of technical parameters.

- **Sales information.**
  Consult of total and detailed sales.

- **Information and Management.**
  "On-line" lists and modifications.

DWS
DIBAL WEB SERVER

Specifications and pictures subjected to change without prior notice.