

# TECHNI-TOUCH

## USER'S GUIDE



# GET TO KNOW YOUR TECHNI-TOUGH

## FRONT PANEL

### • TOUCH SCREEN

TAP AN ICON OR ITEM WITH YOUR FINGER TO QUICKLY NAVIGATE ACROSS THE SCREEN AND CHANGE VALUES



### • POWER



TURN ON  
PRESS THE  
'HOME' KEY.



TURN OFF  
PRESS AND HOLD  
THE 'HOME' KEY

### • WHEEL

ROTATE THE WHEEL TO NAVIGATE ACROSS THE SCREEN AND TO CHANGE VALUES. TOUCH IT TO SELECT AN ICON OR ITEM



ROTATE TO  
NAVIGATE



TOUCH TO  
SELECT



PRESS  
AND HOLD



## WARNINGS



### RECHARGEABLE BATTERY

THIS DEVICE CONTAINS A BUILT-IN NI-MH (NICKEL-METAL HYDRIDE) BATTERY THAT CAN BE RECHARGED A LARGE BUT FINITE NUMBER OF TIMES. THE BATTERY CONTAINS CHEMICALS THAT MIGHT WEAR WITH TIME EVEN IF NOT USED. PLEASE DISPOSE OF BATTERIES PROPERLY.

DO NOT DISASSEMBLE THE BATTERY PACK NOR EXPOSE IT TO EXTREME TEMPERATURES (OVER 50°C). IF THE DEVICE HAS BEEN EXPOSED TO VERY LOW OR HIGH TEMPERATURES LET IT REST AT ROOM TEMPERATURE BEFORE USE.

### RECHARGING THE BATTERY

BATTERY MUST BE RECHARGED AT ROOM TEMPERATURE (ABOUT 25°C) WITH THE DEVICE TURNED OFF. TO AVOID PREMATURE FAILURE OF THE BATTERY NEVER LEAVE THE DEVICE WITH AN EMPTY BATTERY FOR PROLONGED PERIODS. NI-MH BATTERIES HAVE A HIGH SELF-DISCHARGING RATE AND SHOULD BE RECHARGED PERIODICALLY EVEN IF NOT USED TO AVOID FAILURES.

# HOME SCREEN

PRESS THE 'HOME' KEY TO GET TO THE HOME SCREEN THEN TOUCH THE 'SAT', 'TV' OR 'CATV' ICON TO SELECT THE DESIRED MEASUREMENT MODE.



PRESS THE 'HOME' KEY AT ANY TIME TO GET BACK TO THE HOME SCREEN

# SCREEN NAVIGATION

USE THE TOUCH SCREEN AND THE WHEEL TO NAVIGATE ACROSS THE SCREEN AND TO CHANGE VALUES

## • DISPLAY ZONES

- 1 TUNING PARAMETERS
- 2 LIVE PICTURE
- 3 MEASUREMENTS
- 4 CHANNEL INFO
- 5 TRANSPORT STREAM INFO
- 6 CONTEXT SENSITIVE MENU



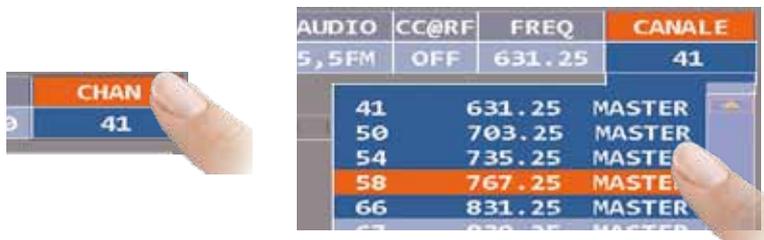
## • CHANGING VALUES

NAVIGATE TO AN ITEM THEN SELECT, ROTATE THE WHEEL TO CHANGE THE VALUE OF THE ITEM



## • DROP-DOWN MENUS

TOUCH ON A DROP-DOWN MENU ITEM THEN TOUCH ON A VALUE TO SELECT



## • ENTERING NUMBERS

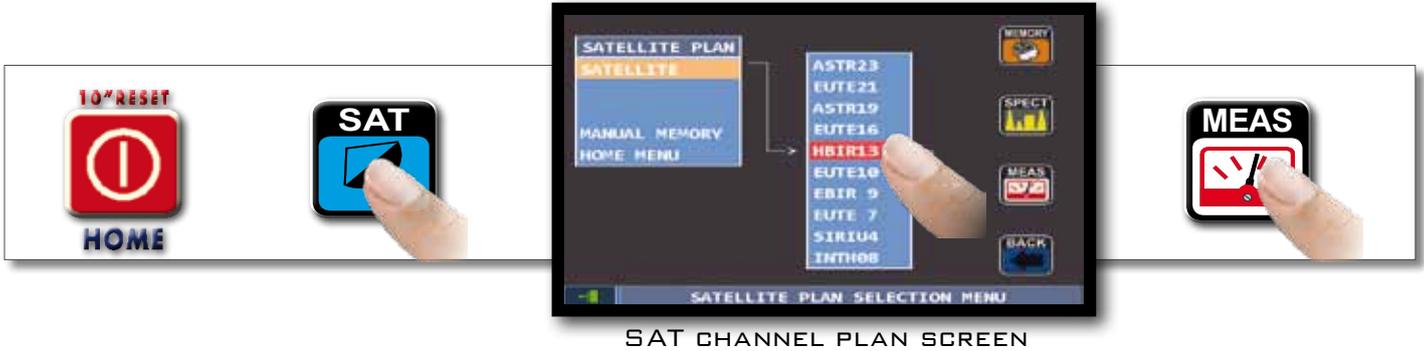
TOUCH ON A NUMERICAL VALUE THEN TOUCH THE ON-SCREEN KEYBOARD TO ENTER NUMBERS





## SWITCH TO SAT MODE

GO TO THE HOME SCREEN, TAP THE 'SAT' ICON THEN SELECT A CHANNEL PLAN. TAP THE 'MEAS' ICON TO CONFIRM.



## SAT MEASUREMENT SCREENS



MAIN MEASUREMENTS & LIVE PICTURE

TOUCH THE PICTURE TO ZOOM



CONSTELLATION SCREEN



TOUCH TO CYCLE THROUGH SAT MEASUREMENT SCREENS

## RELATED FUNCTIONS



SAT SPECTRUM ANALYZER



MPEG SERVICE LIST



## SWITCH TO TV MODE

GO TO THE HOME SCREEN, TAP THE 'TV' ICON THEN SELECT A CHANNEL PLAN. TAP THE 'MEAS' ICON TO CONFIRM.



TV CHANNEL PLAN SCREEN

## TV MEASUREMENT SCREENS



MAIN MEASUREMENTS & LIVE PICTURE



CONSTELLATION SCREEN



IMPULSE RESPONSE SCREEN (ECHO)



TOUCH TO CYCLE THROUGH TV MEASUREMENT SCREENS

## RELATED FUNCTIONS



TV SPECTRUM ANALYZER



BARSCAN (TILT GRAPH)

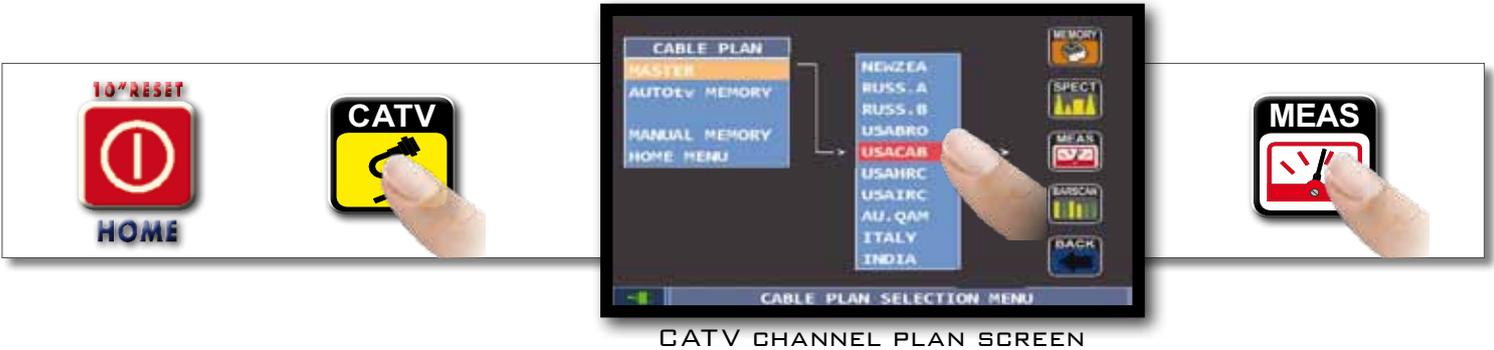


MPEG SERVICE LIST



## SWITCH TO CATV MODE

GO TO THE HOME SCREEN, TAP THE 'CATV' ICON THEN SELECT A CHANNEL PLAN. TAP THE 'MEAS' ICON TO CONFIRM.

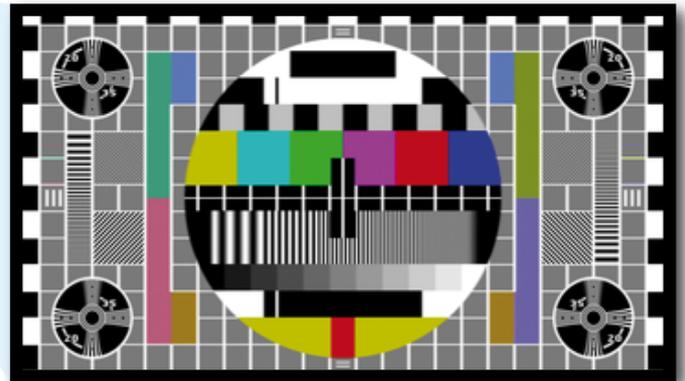


## CATV MEASUREMENT SCREENS



MAIN MEASUREMENTS & LIVE PICTURE

NAVIGATE TO LIVE PICTURE ZONE AND TOUCH THE PICTURE TO ZOOM



CONSTELLATION SCREEN



TOUCH TO CYCLE THROUGH CATV MEASUREMENT SCREENS

## RELATED FUNCTIONS



CATV SPECTRUM ANALYZER



BARSCAN (TILT GRAPH)



MPEG SERVICE LIST



## SWITCH TO SPECT MODE



OR



## SPECTRUM ANALYZER SCREENS



FAST SPECTRUM



TOUCH TO CYCLE THROUGH SPECTRUM ANALYZER SCREENS



FAST SPECTRUM WITH PEAK MEMORY

## RELATED FUNCTIONS



HELP (INSPECT AN UNKNOWN SIGNAL)



# LIST (MPEG SERVICE)

SHOW AND SELECT AVAILABLE MPEG TS SERVICES



| PLAN   | MODULAT | BW | DC@RF | FREQ   | CHAN |
|--------|---------|----|-------|--------|------|
| EUROPE | DVBT&H  | 8  | OFF   | 770.00 | 58   |

| NAME         | TYPE  | ENC |
|--------------|-------|-----|
| All Music    | TV    | N   |
| Repubblica T | TV    | N   |
| FR 24        | TV    | N   |
| Second TV    | TV    | N   |
| Test 1       | TV    | N   |
| Test 2       | TV    | N   |
| Radio DeeJay | RADIO | N   |

DATE: 21/10/2009  
VIDEO RATE: 2.28 Mb/s  
TSID: 31000 CID: 0

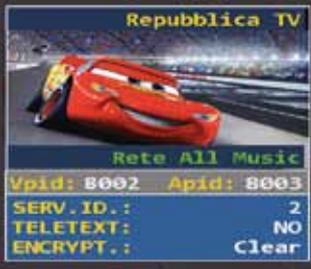


| PLAN   | MODULAT | BW | DC@RF | FREQ   | CHAN |
|--------|---------|----|-------|--------|------|
| EUROPE | DVBT&H  | 8  | OFF   | 770.00 | 58   |

| NAME         | TYPE  | ENC |
|--------------|-------|-----|
| All Music    | TV    | N   |
| Repubblica T | TV    | N   |
| FR 24        | TV    | N   |
| Second TV    | TV    | N   |
| Test 1       | TV    | N   |
| Test 2       | TV    | N   |
| Radio DeeJay | RADIO | N   |

DATE: 21/10/2009  
VIDEO RATE: 1.95 Mb/s  
TSID: 31000 CID: 0



ROTATE TO NAVIGATE

MPEG SERVICE LIST



# BARSCAN TILT GRAPH

CHECK ALL CHANNELS LEVEL/POWER



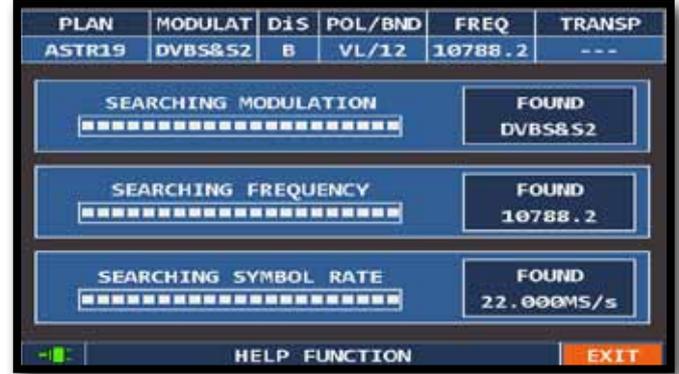
BARSCAN (TILT GRAPH) VIEW



# HELP INSPECT AN UNKNOWN SIGNAL



CHANGE "MRK. FR" VALUE IN SPECTRUM MODE TO SELECT AN UNKNOWN CARRIER

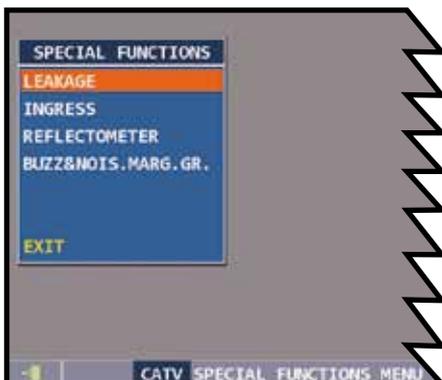


HELP TRIES TO DISCOVER CARRIER'S PARAMETERS

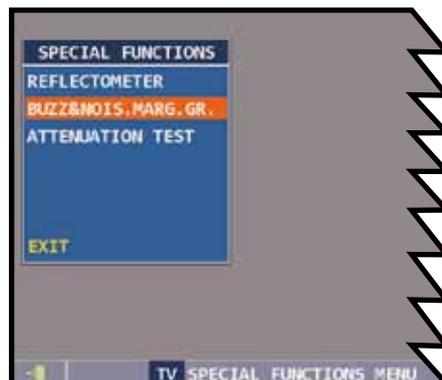
PRESS THE 'HOME' KEY TO GET BACK TO THE HOME SCREEN THEN TAP THE 'MEAS' ICON TO VIEW CARRIER'S MEASUREMENTS AND PICTURE



# SPECIAL FUNCTIONS



CATV SPECIAL FUNCTIONS



TV SPECIAL FUNCTIONS



SAT SPECIAL FUNCTIONS



# MEMORY WORK WITH PLAN AND LOG FILES



OR



## AUTOMEMORY (TV)



SET THE DESIRED PARAMETERS AND SELECT "SAVE?" TO CREATE A NEW AUTOMEMORY PLAN

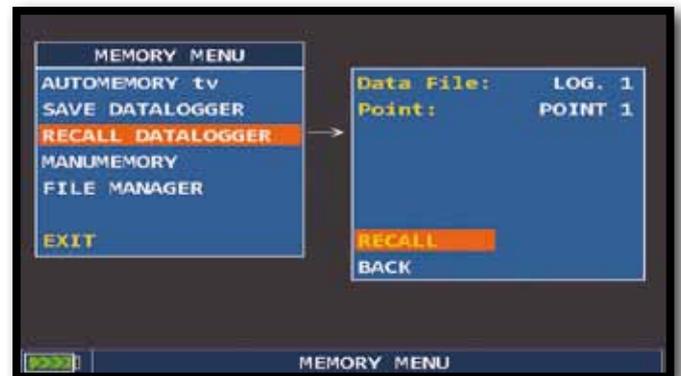


UPON AUTOMEMORY COMPLETION THE NEW PLAN IS AUTOMATICALLY SELECTED

## LOGGER



SET THE DESIRED PARAMETERS AND SELECT "SAVE?" TO CREATE A NEW LOG FILE



SET THE PARAMETERS TO SELECT THE NEW LOG FILE AND SELECT "RECALL" TO SHOW IT

| LOG. 1 POINT : |        | EXIT    |         |          |          |
|----------------|--------|---------|---------|----------|----------|
| NAME           | TYPE   | PRW LVL | MER C/N | bBER A/V | aBER PER |
| TR 49          | An Sat | 70.7    |         |          |          |
| TR 50          | An Sat | 68.7    |         |          |          |
| TR 51          | DVB-S  | 67.3    | 14.2    | 2x10-6   | <E-8     |
| TR 52          | An Sat | 68.4    |         |          |          |
| TR 53          | DVB-S  | 67.3    | 13.3    | 6x10-6   | <E-8     |
| TR 54          | DVB-S  | 69.9    | 12.8    | 3x10-5   | <E-8     |
| TR 55          | An Sat | 70.2    |         |          |          |
| TR 56          | DVB-S  | 69.9    | 12.5    | 7x10-5   | <E-8     |
| TR 57          | DVB-S2 | 69.1    | 11.6    | 1x10-2   | <E-7     |
| TR 58          | DVB-S  | 70.3    | 12.7    | 3x10-5   | <E-8     |
| TS 59          | DVB-S  | 70.3    | ---     | ----     | ----     |

BROWSE THROUGH MEASUREMENTS SAVED IN THE LOG FILE



ROTATE TO NAVIGATE



# VOLUME & CONFIGURATION

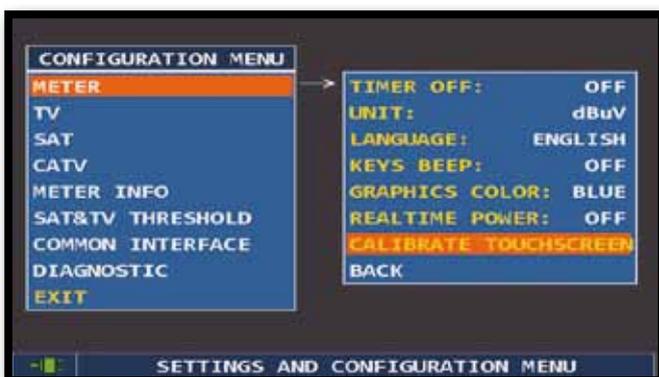


VOLUME & CONFIGURATION MENU

## TOUCHSCREEN CALIBRATION

IN CASE THE TOUCHSCREEN IS NOT RESPONDING PROPERLY YOU MAY NEED TO CALIBRATE IT:

CHOOSE 'CONFIGURATION MENU' FROM THE VOLUME SCREEN



CHOOSE 'METER' THEN 'CALIBRATE TOUCHSCREEN'



NOW TOUCH THE CENTER OF THE BOX THAT APPEARS IN THE CORNER OF THE SCREEN, REPEAT THE OPERATION 4 TIMES.

# SERVICE NOTES AND GUARANTEE REGULATIONS

Thank you, that you have chosen our **Techni-Touch**.

We hope you are satisfied with your decision, but if you do have any problem or Suggestions which could lead to an improvement of our field strength meters please write to:

**TechniSat Digital GmbH**  
Kunden- und Logistikzentrum  
St. Laurentiusstraße 45  
D-54550 Daun Germany  
[www.technisat.com](http://www.technisat.com)

You have purchased a top quality TechniSat product, which has undergone several quality checks at all of the production stages as well as strict outgoing goods checks. If, despite all this, your unit develops a fault, TechniSat Digital GmbH still gives a full 2-year TechniSat guarantee on all TechniSat receiving systems and separate components that starts from the date that you purchased the unit from your dealer, provided that you have registered the product with us.

Neither are you obliged to prove that the fault existed when you purchased the unit.

You must also ensure that only original TechniSat accessories such as cables, plugs, etc., are used during the installation in order to enjoy the benefits of the full guarantee.

This guarantee includes the repair of defective parts (normal case) or exchanging parts at our discretion for commercial reasons. All guarantee claims will be invalidated if the unit is opened by anyone other than by TechniSat or if modifications are made to the unit (i.e. hardware or software modifications).

Guarantee claims cannot be made for any damage caused by incorrect installation, incorrect operation or if the product serial number is altered or rendered unreadable and mechanical damage resulting from an accident or from being dropped.

The guarantee does not cover damage claims resulting from use, especially for any loss of data, e.g. station lists or recordings saved in the Instrument. If your unit develops a fault despite our ultramodern production methods and permanent quality testing, we would ask you to contact our technical hotline at:

**+49 (0) 180/500 59 07**

(0.14 €/min on the German network, mobile telephone charges and foreign call charges will differ) first. If we are unable to clear the problem over the phone we would ask you to contact your dealer or supplier.



Yes I agree, that TechniSat Digital GmbH can save my Data listed above for their own advertising / direct Marketing purpose.

Yes I know, that in addition to my name and address as well as Telephone, Fax and e-mail TechniSat Digital GmbH will also store the Instrument Type and number.

Customer Signature: .....

The warranty registration will be independent of the above agreement for Advertising / mailing purpose. The Warranty information will be stored in a separate, protected area at TechniSat. This Data will be used exclusively for the warranty purpose and will not be given to third party. For further information contact our Data security Department under email: [datenschutz@technisat.de](mailto:datenschutz@technisat.de)

# MAINTAINING THE METER

## CLEANING THE METER

Cleaning the meter from dust and dirt is easy and helps maintaining it in optimal work conditions through the years. The cleaning procedure is simple and quick and requires only minor attention. Never use chemical aggressive products (diluent) and/or abrasive or rough clothes which may damage plastics and displays.

Always use a soft cloth, dampened with a simple water and alcohol solution or a de-greasing not abrasive liquid soap.

Keyboard and display should be gently cleaned. Rubbing the keyboard and/or the display(s) may seriously damage their functions.

## MAINTENANCE AND CARE OF THE METER

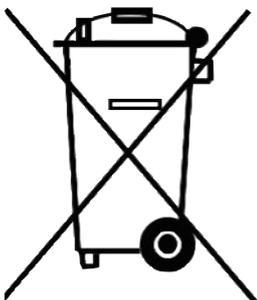
This meter has been designed to withstand severe conditions of use. Even so, its life may be prolonged by respecting some simple and effective rules:

- The meter has not been designed to withstand high temperatures (over 60°C or 140° F). Those temperatures can be easily reached when the meter is left in a car, especially behind the windshield, or in the trunk. The LCD display and/or other details may easily be damaged by the extreme temperature.
- The internal battery may rapidly lose its efficiency if exposed to high or low temperatures. This will result in reduced autonomy of the meter when powered by internal battery.
- When recharging the internal battery, do allow a good air circulation around the meter and the adapter: do not cover it with clothes and do not recharge the battery when the meter is contained in its transport case
- The meter is not waterproof, even if it is protected against incidental water drops. In case of contact with water, electronic circuits may be damaged, allow the meter to dry thoroughly before trying to turn it on. Do not use hairdryer or other strong heating sources, but just leave the meter in quiet air. If possible, contact TECHNISAT Technical Assistance.

# DISPOSAL OF ELECTRONIC EQUIPMENT

Disposal of electric / electronic equipment (applicable in all CEE countries and wherever separate waste collection system is applied).

This symbol on the packaging indicates that the product should not be considered as domestic waste. The product, at the moment of disposal, should be brought to a waste collection point with the proper facilities to manage electrical/electronic appliances.



Electric/electronic appliances, if not disposed of correctly, may have negative consequences on your health and environment.

Furthermore, a proper recycling procedure helps maintaining natural resources.

To have more information about proper disposal of this product, please refer to your local waste management offices or the shop where this product was bought.

# **SERVICE AND SUPPORT WEB REGISTRATION AND SOFTWARE UPGRADES**



For the TECHNITool-SMART Program please go to

[www.Technisat.com](http://www.Technisat.com)

or Contact the Technical Hotline:

**+49 (0) 180/500 59 07**

# TECHNITOOL S.M.A.R.T. PROGRAM

## 1- The “TECHNITOOL S.M.A.R.T.” program is required to upgrade firmware

- Connect the instrument to the mains and turn it on.
- Connect the USB cable FIRST to the meter and THEN to the PC.
- Start the “**TECHNITOOL S.M.A.R.T.**” Program.
- Click “**Instrument**” and then “**Upgrade Instrument**” In the “TECHNITOOL S.M.A.R.T.” program menu.
- In the “**Open**” window, select the file to be used for up-grades and confirm the selection by pressing the “**Open**” key.
- The “**Upgrade Firmware**” window will then open, where you can select the instrument model.
- Press “**Upgrade**” to start the up-grade.
- When the up-grade has been completed correctly, the PC will show the message “**Program Successful**” and a brief summary of the instrument settings.
- Turn the instrument on and check the number of the new firmware version in the start-up window or the Self-Test.

### WARNING!

- Do not switch-off, use or disconnect the Meter from the mains during the up-grade.
- If the up-grade procedure is not successful:
  - Check connections and repeat the operation
  - If the operation described in this paragraph continues to fail, contact TECHNISAT

## 2- The PRO version of the “TECHNITOOL S.M.A.R.T.” program is required to load a MEM file in your meter

- Connect the instrument to the mains and turn it on.
- Connect the USB cable FIRST to the meter and THEN to the PC.
- Start the “**TECHNITOOL S.M.A.R.T.**” program.
- Click “**Instrument**” and then “**Connect Instrument**” in the “TECHNITOOL S.M.A.R.T.” program menu.  
A window will open where you can select your meter model and START the connection.
- Click “**TOOLS**” and then “**MEM**” and “**OPEN MEM**” in the “TECHNITOOL S.M.A.R.T.” program menu.
- Select the “**MEM**” file downloaded from the TECHNISAT’s Service web site.
- Click “**Instrument**” and then “**MEM**” and “**WRITE MEM TO INSTRUMENT**” in the “TECHNITOOL S.M.A.R.T.” program menu. The “TECHNITOOL S.M.A.R.T.” program will upload the new MEM file to your meter.

# BATTERY

## IMPORTANT:

- ALWAYS TURN THE INSTRUMENT OFF BEFORE CONNECTING THE BATTERY CHARGER.
- DO NOT LEAVE THE BATTERIES DISCHARGED FOR LONG PERIODS.
- ALWAYS CHARGE THE BATTERIES AT NIGHT FOR AT LEAST 8-10 HOURS, EVEN IF THEY ARE NOT COMPLETELY DISCHARGED.

## USEFUL INFORMATION:

1. The batteries supplied are high quality, tested individually, to guarantee an autonomy of between 2 hours MIN and 3 hours MAX depending on the following conditions:
  - the use of the "AUTO OFF" function, that automatically turns off the meter after 5 minutes of inactivity (saving up to 30%),
  - the LNB power consumption: Single, Dual or Quadruple,
  - the external temperature: with temperatures of less than 10°C, 20% of the capacity is lost,
  - the age of the batteries: a 10% loss in efficiency each year,
  - May we remind you that with dual DISPLAY meters, if you turn off the colour TFT DISPLAY and only use the BW graphics display, battery duration will double.
2. The battery indicator has a +/- 20% tolerance (like all battery powered electronic devices) according to the following factors:
  - the battery's charging percentage,
  - external temperature & battery wear and tear status.



FULL



<80%



<50%



<30%



<10%

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# - NOTES -

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# TECHNICAL HOTLINE

TEL. +49 (0) 180/500 59 07

(0,14 €/MIN ON THE GERMAN NETWORK, MOBILE TELEPHONE CHARGES AND FOREIGN CALL CHARGES WILL DIFFER).



DESIGNED IN EUROPE, ASSEMBLED IN EUROPE

TECHNISAT DIGITAL GMBH KUNDEN- UND LOGISTIKZENTRUM ST. LAURENTIUSSTRASSE 45 D-54550 DAUN GERMANY

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