

## -MediaMAX EVO-

# What's new in this version / Change Log

### Version 5.123

- 1.- The detection of the SATCR carriers has been improved.
- 2.- Transmodulator tool: The option "Auto symbol rate" in the model TSQ 310 has been deleted.
- 3.- Transmodulator tool: The saturation problem when adding services to the models TKF 310, TSQ 310 and TSF 310 has been solved.
- 4.- Transmodulator tool: The name of the "FEC mode" by "DVB" option in the input configuration menu of the models TSF 310 and TSQ 310 has been modified.
- 5.- The total time of commands SATCR and DiSEqC has been reduced in order to avoid problems with some switch models
- 6.- The list of the satellite finder (Sat finder) has been updated.

### Version 5.116

- 1.- Transmodulator tool: Support for TKF 310, TSF 310 and TSQ 310 added.
- 2.- It improves the detection of the IF carrier of SATCR
- 3.- Datalogger: If the field strength meter was in SATCR mode, when measuring a satellite program that was not SATCR, the measure was wrong.
- 4.- Updating of text in the transmodulator tool.

### Version 5.108

- 1.- The transmodulator programming tooling is added.

### Version 5.100

- 1.- The C/N value is shown in the measures window in satellite
- 2.- Mistake in PRO 200 tool corrected: It did not save the current configuration correctly
- 3.- Mistake in program mode when deleting or re-naming the current program and pressing 123/ABC keys, solved

### Version 5.97

- 1.- PRO 200 tool updated: It allows programming Genius ICT with TILT adjustment in satellite
- 2.- Measure of MER in satellite improved
- 3.- Visualization of C/N measure in satellite band removed
- 4.- Automatic attenuator in digital mode improved
- 5.- Added: Noise Margin (instead "quality")
- 6.- Error 508 when the field strength meter runs in program mode corrected
- 7.- New languages added: Swedish
- 8.- It corrects a mistake about name redrawing when starting the field strength meter in program/group mode.
- 9.- It corrects a problem when trying to tune in a DVB-H signal as 11615H DVB S2 in Hispasat.
- 10.- Datalogger: It corrects a mistake in the name of the measure points (as "TEXT\_090525\_0").
- 11.- Datalogger: It corrects a mistake in the filter selection (auto and manual).
- 12.- Satfinder: Satellites added. *In order to load the new files, make values by default or use the "load satellites" menu option.*

### Version 5.80

- 1.- Fixed error when exporting program with name like "E38.2".
- 2.- Fixed GMT error after factory default.
- 3.- Fixed spectrum drawing in satellite.
- 4.- Improved SATCR.
- 5.- Added temperature correction in datalogger spectrum.
- 6.- Some scripts of text resources have been updated.
- 7.- Problem in the identification of satellites in SATFINDER tool corrected.
- 8.- Blocking mistake in PRO 200 tooling when going out using the keys TV, spectrum or measure, corrected.
- 9.- It corrects a mistake in datalogger when making repetitive measures with names with underscore.
- 10.- It corrects a mistake in the information bar about feeding.
- 11.- It corrects a mistake using a program which sound = buzzer.
- 12.- Improved auto attenuator in satellite.
- 13.- Added pulse response recording in datalogger.

### Version 5.70

- 1.- Added the PRO-200 functionality.
- 2.- Added the Polish language.
- 3.- Added a menu option to configure the Date and Time GMT automatically through the Digital Channel tuned.
- 4.- Added the option to adjust the volume of the buzzer.
- 5.- Added the information about the type of modulation in Measurement mode.
- 6.- Added the option to configure the sensitivity of the keyboard and the navigation wheel.
- 7.- Added the option of renaming in the Program menu.
- 8.- Added the Quick Start menu after a Factory Default.
- 9.- Impulsive Response scale modified (-33 to 0 dB)
- 10.- When change the Band in Program or Group mode, the meter switches to Channel Mode or Frequency Mode (the last used).
- 11.- When you select FM, the meter switches to Frequency Mode automatically.

### Version 5.61

- 1.- DVB-T tools added ( impulse/frequency response ).
- 2.- Blocking error fixed in Analogue Cable.
- 3.- SATCR menu entry fixed. Horizontal or Vertical and High or Low band weren't correctly selected.
- 4.- Centred frequency in full span/ less visible with other spans.
- 5.- Fixed the non-locking DVB-T after do factory default if previously you are in SAT/QAM band and you don't have restart the meter.

### Version 5.59

- 1.- MER algorithm improved in DVB-S.
- 2.- Some translations have been modified.
- 3.- Some software bugs have been solved.

### Version 5.54

- 1.- Added SatCr function
- 2.- Added S band in DK
- 3.- Improved BER / MER algorithm in DVB-C (Removed C/N measurement)
- 4.- Improved analog C/N measurement algorithm
- 5.- Datalogger: Improved management of big number of files for datalogger in USB devices
- 6.- Satfinder: Added satellites in satfinder. *For loading new files do factory default or use sat finder menu entry "load sat".*

### Version 5.48

- 1.- Motor management added.
- 2.- Autoscan in Band Added.
- 3.- Fixed strange line in analogue video when attenuator is auto.
- 4.- Fixed blocking error when you change program very fast with the wheel.
- 5.- Fixed blocking error with some DVB-C transport stream.
- 6.- Fixed blocking error with analogue signal quite saturated.
- 7.- Fixed error audio/video not working when you have identical program with all pid =1.
- 8.- Increase spectrum size.
- 9.- Added tuner locked time information in "METER MODE".
- 10.- Added FEC information for digital signal in "METER MODE".
- 11.- Datalogger: Added FEC and RF units in logger \*.mes file.
- 12.- Datalogger: Added RF units on each program.
- 13.- Datalogger: Improved datalogger speed in QAM band.
- 14.- Datalogger: Fixed data logger error with very high level (> 100 dbµv).
- 15.- Datalogger: Added new option "step-by-step" measurement.
- 16.- Update sat finder file: new sat and update some existing sat. *For loading new files do factory default or use sat finder menu entry "load sat".*

### Version 5.38

- 1.- PCR configurations modified in order to avoid that the OSD goes to B/W mode when some Digital TV programs are being watched.
- 2.- Added a new algorithm for the compensation of the temperature. Stable measurements with the temperature when the inner temperature is between 0°C and 40 °C.
- 3.- Added the option "PID NONE" in "DVB Services". This option is used in order to the EVO doesn't search the MPEG tables.
- 4.- Added a new upgrading system in order to solve some errors 0508, which happen after upgrading to the version 5.34.
- 5.- Datalogger: Solved a bug that dared some measurements to be not stored.

### Version 5.34

- 1.- L PAL Added
- 2.- Group Navigation added as navigation option (in addition to Frequency, channel and program).
- 3.- Groups can now be imported from USB, including pre programmed measurements.
- 4.- The spectrum detector type is now stored in program files (\*.prg).
- 5.- Fixed a bug that caused on some instruments to have an "Error 602" at start-up after 5.21 Update.
- 6.- Fixed a bug when naming automatically the programs, when the using ASCII extended characters.
- 7.- Satfinder: After a successful satellite search, the program mode is changed to frequency mode.
- 8.- Datalogger: The datalogger can now delay a log start to a specific time.
- 9.- Datalogger: The reference level in datalogger mode is fixed to Auto mode.
- 10.- Datalogger: Fixed a bug that led to erroneous BER measurement in datalogger when "Basic" measures is selected.
- 11.- Datalogger: Fixed a bug in datalogger that led to B&W JPEG image storage in analogue terrestrial carriers.
- 12.- Datalogger: Fixed a bug that created an erroneous JPEG image when the image was too noisy.
- 13.- Datalogger: Fixed a bug in logger display measure menu.

### Version 5.21

- 1.- Sat Finder Added.
- 2.- PAL D/K Added.
- 3.- Spectrum tracking in Satellite Band optimized (faster).
- 4.- BER measurement in QAM enhanced.
- 5.- Backup/Restore function added. When you restore, there are different options:
  - a.- Restore all
  - b.- Restore Programs
  - c.- Restore Autoscan
  - d.- Restore Satellites
  - e.- Restore Datalogger.
- 6.- The following parameters are configured independently in each band (ter-sat-catv):
  - a.- Vrf
  - b.- 22 KHz
  - c.- DiSEqC switch
  - d.- Carrier mode
  - e.- RBW Filter
  - f.- Spectrum resolution
  - g.- Detector Spectrum Mode
  - h.- Span of Spectrum
- 7.- In the mode of detecting spectrum, Auto mode has been added. In Auto mode:
  - a.- Carrier Mode = Analogue >> Det. Mode = Peak.
  - b.- Carrier Mode = Digital >> Det. Mode = Average
- 8.- When the option "favourite" is configured in carrier mode, the meter switch from analogue to digital pressing the "fav" button.
- 9.- The Level of Marker mode can be selected between the Level of Marker and the Level of Average.
- 10.- The option bucle also works in frequency mode, and not only in channel mode.
- 11.- New format of displaying the Digital Service (DVB-H now is viewable).
  - a.- **Format: NN XB Name**
    - NN = number of program
    - X = F free / \$ scrambled
    - B = V video / R radio / D data / U others or unknown / H programs in HD
    - Name = Name of the program
- 12.- ONID (Original network id) it will be shown through NID.

- 13.- When the DiSEqC switch is used, in case the meter detects that the cable has been disconnected and connected again, it resends the DiSEqC information in order to choose the correct switch.
- 14.- Default value for Span in terrestrial and cable: 50 MHz.
- 15.- Default value for Span in Satellite: 100 MHz.
- 16.- When the meter is tuning, the displayed program is the first MPEG2-SD free in the transponder.
- 17.- Autoscanner: When no carrier is detected, an error message is shown.
- 18.- Autoscanner: new feature in menu RF, for scanning all the standards or only the current one.
- 19.- Autoscanner: When the meter is scanning all the standards, the first scanned will be the current one.
- 20.- Datalogger: In the files .mes some information of Transport Stream has been added.
- 21.- Datalogger: Corrected one error that allowed showing wrong levels (if > 100dB).
- 22.- Datalogger: Corrected an error at COFDM.
- 23.- Datalogger: When you finish the measurements, the meter shows automatically the window of measures.
- 24.- Datalogger: When the band is changed, the icon of the band where it will change is shown. Timer within the time of connection deleted.
- 25.- Datalogger: it can work with pre-programmed measures through the USB memory.

#### Version 5.15

- 1.- Upper limit of the SR in QAM modified (7000)
- 2.- Maximum number of services on the TS increased (70).
- 3.- The size of the code has been optimized.

#### Version 5.14

- 1.- Autoscanner has been added.
- 2.- Constellation Diagram as an option of the measurement menu in QAM.
- 3.- If a digital programme has a Null or False PID, a searching of channels is forced and it is shown the first one opened.
- 4.- Solved a problem in analogue C/N measurement.
- 5.- Solved a problem that locked the meter when Analogue and Digital modes were switched too fast.
- 6.- Translations updated.
- 7.- Enhancement of the BER measurement in satellite for low SR (< 22000).
- 8.- Minimum and Maximum values have been fixed in the SR of DVB-S and DVB-C.
- 9.- Little reported bugs have been solved.

#### Version 5.09

- 1.- Solved problems in Datalogger function:
  - a.- Solved a problem that stopped the equipment while from Digital to Analogue mode was switched.
  - b.- Solved a problem that stopped the equipment during the measuring mode, as in internal as well as in external mode.
  - c.- Solved a problem that dared don't lock the digital satellite signal meanwhile the Data-Logger measures were being carried out.
  - d.- In case of no closed group created, it is shown an error message.

#### Version 5.05

- 1.- It is provided with the Data-Logger function.
- 2.- Modification of the PAL B/G IT standard in channel H1.
- 3.- Modification of the PAL B/G DE standard in channels S2 and S3.
- 4.- Modification of the PAL B/G AU standard in Digital Terrestrial.

#### Version 4.33

- 1.- It solves an error playing the sounds in the Standards D/K and I.
- 2.- It performs the High Resolution Spectrum: it doubles the number of measurement points of the Spectrum.
- 3.- It is provided with an evolution in the algorithm of measuring the Digital Signal Power QPSK / COFDM / QAM.
- 4.- It corrects the calculation of the Bandwidth in QAM through a new algorithm.
- 5.- It improves its working with very low signals in COFDM.
- 6.- It solves the appearing of the message of shortcircuit when it is being used a DIMO 120 Motor and you connect and disconnect the cable.
- 7.- It optimizes the Analogue Picture quality.



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#### **Version 4.30**

- 1.- Improve in analogue signals image, improving stability.
- 2.- Improve in OSD painting.
- 3.- MER measurement added. (Modulation Error Ratio).
- 4.- Improving in analogue signals C/N measurement.
- 5.- A/V input activated. Recommended cable: RCA-JK.
- 6.- Buzzer activated.
- 7.- NIT added.
- 8.- Some working "Bugs" corrected.