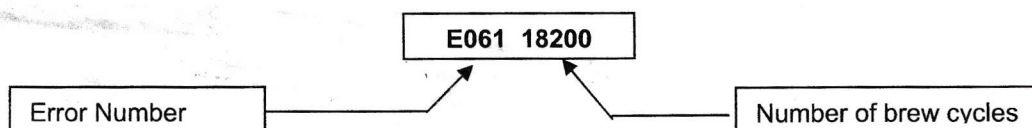


6 Error Messages



No.	Description	Source
1	Error in EEPROM	<ul style="list-style-type: none"> Switch machine off and on
31	Coffee boiler could not be refilled	<ul style="list-style-type: none"> Main water supply faucet / Water pump Pump pressure too high (< 10 bar) Brew valve Y1 does not close Flowmeter P1 faulty Expansion / Non-return valve Boiler inlet blocked
33	Steam boiler could not be refilled	<ul style="list-style-type: none"> Main water supply faucet / Water pump Level sensor B3 calcify or electrical faulty Y3, mechanical or electrical faulty Non return valve or inlet pipe blocked
41	Coffee boiler does not heat up	<ul style="list-style-type: none"> Temperature fuse F11 Semiconductor element K1 Heater / Connection / X2 Temperature sensor NTC B1 / Connection J11 pin 1/2 Power supply one phase is missing
43	Steam boiler does not heat up	<ul style="list-style-type: none"> Over temperature fuse F21 Semiconductor element K2 Heater / Connection / X2 Pressure switch S13 Power supply one phase is missing
61	No signal from Flowmeter P1	<ul style="list-style-type: none"> Flowmeter P1 faulty Expansion or Non-return valve Coffee boiler, inlet or outlet blocked Brew valve (Y1) blocked Sieve from upper or lower piston blocked Flow limiter from brewing piston blocked
71	Brew duration > 90 s	<ul style="list-style-type: none"> Coffee powder grinding too fine Sieve from upper or lower piston blocked Check Piston height from brewing piston P2 (Config 1 P2 height) Flow rate or pressure from water pump too low
73	Delivery time for Tee tacks too long	<ul style="list-style-type: none"> Pipe or sieve blocked
81	No signal from limit switch S15 (Upper spindle motor P1) after 7 s.	<ul style="list-style-type: none"> Upper piston P1 jammed Upper spindle motor M7 / Limit switch S15 faulty Cable connections M7 to J2 Powder ejector from P1 blocked
82	No signal from limit switch S17 (Lower spindle motor P2) after 7 s.	<ul style="list-style-type: none"> Lower piston P2 Jammed Spindle motor M8 / limit switch S17 Cable connections M8 to J3

No.	Description	Source
91	P1; Time to pressure > 8 sec. P1; Time to ejection > 5 sec.	<ul style="list-style-type: none"> • Upper piston P1 jammed • Upper spindle motor M7 / Revolution counter S14 now signal • Cable connections M7 to J2
92	P2; Time to pressure > 8 sec. P2; Time to ejection > 5 sec.	<ul style="list-style-type: none"> • Piston P2 jammed • Lower spindle motor M8 / Revolution counter S16 now signal • Cable connections M8 to J3
93	P2, lower piston can not reach rinsing position	<ul style="list-style-type: none"> • Lower spindle motor M8 faulty • Revolution counter S16 faulty
94	P2; Height exceeded during brewing (>100 motor revolutions)	<ul style="list-style-type: none"> • Lower spindle motor M8 faulty • Revolution counter S16 faulty • Rise up piston height P1 by 2 steps from basic adjustment 116 (Config 1)
97	P1; No signal from limit switch S14	<ul style="list-style-type: none"> • Upper spindle motor M7 faulty • Revolution counter S14 faulty • Check fuse F5
98	P2; No signal from limit switch S16	<ul style="list-style-type: none"> • Lower spindle motor M8 faulty • Revolution counter S16 faulty
111	Short circuit on temperature sensor for coffee boiler NTC B1	<ul style="list-style-type: none"> • Wiring to temperature sensor • J11 Pin 1 / 2
121	Failure of temperature sensor for coffee boiler NTC B1	<ul style="list-style-type: none"> • Wiring to temperature sensor • J11 Pin 1 / 2

7 Software Directory

Version	Date	
2.14_2MB	19.10.09	<ul style="list-style-type: none"> • Default values changed Config2/Language (Deutsch -> English) Config2/Shift (1 -> 0) • Hide product parameter „H2O-Milk“ • Problem with the control of the milk pumps solved. • Problem with product counter solved. • Filling of steam boiler is monitored all the time, not only at start up.
2.13_2MB	19.10.09	<ul style="list-style-type: none"> • Corrections on chinese texts • Default values changed Config1/P1 Turns (118) Config1/P2 Turns (136) Config1/NBUP (0 -> 1) Config1/AFV (0 -> 1) Config1/MI sec/10gr (3.5 -> 5.0) Config1/Mr sec/10gr (3.5 -> 5.0) Config2/S-Filling (1 -> 0) Config2/Tea/Steam (1 -> 0) • Parameter „Milk:Aut.Rinse“ renamed to „MLR Rinsing“ • Parameter „Watertank“ renamed to „Trolley“ • Parameter „PT Clear“ renamed to „PT Lock“ • Parameter „Autosteam“ renamed to „Steam wand“ • Hide product parameter „P*Time“ • Hide parameter „Milk Corr“ and „Pressreg.“ • The cleaning can not be interrupted any more by pressing the Stop button. The cleaning has always to be finalized. • Error when showing text in two lines solved
2.12_2MB	27.01.09	<ul style="list-style-type: none"> • Integration of Chinese language • Cycles of coffee products on button 9 (hot water) will now be counted • Foamer heads will now be rinsed on the machine start up • New Parameter „Milk H2O“ • In parameter of product menu „Cap“ replaced by „Milch“ • Parameter „P.*P_Name“ renamed to „P.*Name“ • Parameter „IMS Beeper“ renamed to „Beeper“ • Parameter „R-Mode2“ renamed to „RMode“ and extended • Combined Milk&Coffee cleaning added • Automatic cleaning sequence integrated • Error in checksum of product transfer fixed • Product transfer extended
2.10_2MB	30.06.08	<ul style="list-style-type: none"> • iSteam with submenu and parameters integrated • Parameter „Autosteam“ extended • Parameter „MB_Sensor_on“ renamed to „MB_Sensor“ and got an additional value • New parameter „NBUP“ • New error „Error 93“ • Parameter „Cap.Product“ extended • New parameter „B-Emptying“ • Milk cleaning modified

Version	Date	
2.02_ 2MB	10.09.07	<ul style="list-style-type: none"> • Text adjustment in the monitor program • Auto steam valve included in the monitor program • New menu point added on in Config 2 Fahrenheit • Menu point Autosteam extended • Occasionally faulty with wrong pin code entered corrected
2.01_ 2MB	13.03.07	<ul style="list-style-type: none"> • Valve test. The designation of the valves have been renamed • Menu "Monitor" <ul style="list-style-type: none"> Submenu "EXT.BOARD TEST.." change to "ADDITIONAL I/O.." Submenu "24V OUTPUTS .." change to "OUTPUTS .." <ul style="list-style-type: none"> – Item "DV" (Air pump) change to "LP" – Item "BLV" (Transfer valve MLR) change to "UV" Submenu "SIGNAL INPUTS .." change to "INPUTS .."
1.24	13.03. 07	<ul style="list-style-type: none"> • From this version is it possible to program every button as a Tea product • With this parameter it is possible to switch off the control of the pressure switch while producing large amount of tea. • The Periphery type 7 is new. This type was defined on special customer request. • We have a new option P* Bypass (same as 90 Series). The function of this option is to add hot water while brewing a coffee. • With the new milk air valve which we are going to introduce in April 2007, the software configuration has to be adjusted. With the new entry in the menu "Config 1" can be selected, which generation of the valve is mounted. • The monitoring of the beans is done by the piston. If the amount of powder is smaller than 2,5g the display will display "No Beans" and the product will be stopped. • The parameter IMS have been renamed to MB Sensor • Water which is used for MLR flushing will be measured from the Flowmeter and be added to the service counter water consumption
1.23_	30.06.06	<ul style="list-style-type: none"> • This new SW contains a further language Spanish. • It occurred in the field that the first line on the display disappeared after 8s and was again indicated after 2s.
1.22_	07.04.06	<ul style="list-style-type: none"> • Error 43 by steam extraction with „Steam auto shut off“ With the machine specified under point 1, it's possible that during the operation the error 43 arises (pressure switch does not supply during more than 4,5min the i.O. Signal). • Error 43 by start up Machines, which are operated with under-voltage, the error 43 appears during starting, the steam boiler heater can not reach the operating pressure within 4.5 min. With V1.22 this time is increased to 8,5min • Milk cleanings counter in the menu service, under the parameter M-Cleaning the numbers of milk cleanings can be read off.
1.21_	22.11.05	<ul style="list-style-type: none"> • Insertion of new E-prom (2M Bytes) under the designation V1.21_2MB • The automatic rinsing time (MLR-Time) has been increased from 15 to 30 min. • The maximum coinage setting has been increased from 9.99 to 99.99 • The tea LED flashes when product is being supplied at the shift level, together with IMS_ON set on one. (The LED should not light up.)
1.20	15.08.05	<ul style="list-style-type: none"> • The new KS 6 needs this SW version. • For the USA and Australia the list of names was extended. • If a milk product was programmed with a Cappuccino delay time (parameter P*Cap. delay) and during the delay time a second milk product was pre selected, came it with different air valve controls (Cappuccino/milk coffee) to a wrong output of the milk. • The parameters steam time (Config 1) became renames in blow out time. • With the KS6 the parameter MLR- Type must be adjusted to 5. • Parameter PT delete. With this parameter (Config 2) PT delete, can be blocked the delete function for the total counter.

Version	Date	
1.19	18.01.05	<ul style="list-style-type: none"> • Cleaning for IMS optimize • New Cap. product Nr. 7 with 70% of hot milk and 30 % foam added • New parameter r-request (request for cleaning) after number of Products • New parameters d-filling (steam boiler filling) without water-pump • The filling time from the boilers have been increased by Steam boiler: 200s Coffee boiler 40s • Nil return in the display with IMS + Beeper was repaired • The error of the unwanted MLR cleaning during milk cleaning was repaired • New parameter MLR 4 has been implemented • Missing tube lengths compensation by IMS with adjustment 0,1s
1.18	10.02.04	<ul style="list-style-type: none"> • With the software V1.17 it was not possible to address only one milk pump. This error arises only with software V1.17.
1.17	1.12.03	<ul style="list-style-type: none"> • The water meter W-Serv did not count. This error was repaired. • The first milk products after the MLR cleaning the steam is only switched on if the milk concerned at the foaming head.
1.16	30.10.03	<ul style="list-style-type: none"> • New menu option in the Config 1 MLR Param here the parameters Corr time, rinsing time and steam time can be adjusted. (Only necessarily if not the standard milk solution is used.) • The parameter MLR type was extended with the value 3 for the large milk solution.
1.15	13.-6.03	<ul style="list-style-type: none"> • With this software it is possible together with a CCC and the SW CCCSu to require the following machine data: <ul style="list-style-type: none"> - counts - gram - error - cleaning
1.14	13.6.03	<ul style="list-style-type: none"> • Parameter MLR_Type 2 • Default value K1 height adapted • Parameter P * CAP.Product 1 + 2 supplements
1.13	10.4.03	<ul style="list-style-type: none"> • HDD in common with a Cash System • Default value P2 Height adjusted • Add-on Reg-Nr.
1.12	14.3.03	<ul style="list-style-type: none"> • Product purchase by depressing the key in the SHIFT level is possible. • Error with KBOX was repaired. • Optimisation of the Cap. Auto Rinse. • Blockage of the individual products on both levels possible. • The list with the coffee products was supplemented. • Problem with payment system and shift key repaired. • New menu option of products. the parameter P * Reg. Nr was introduced. • Menu Cap. Product was supplemented with the product 5 + 6. • The Japanese language is possible
1.11	13.01.03	<ul style="list-style-type: none"> • The software was changed in such a way that the new foaming head valve with the same attitudes under the parameter can be programmed CAP_Foam
1.00	8.02	<ul style="list-style-type: none"> • Pre production version Swiss Egro 50 Series