



**1 [Simply start] 545 -**

**1.1 [Macro Config] C F G**

- [Start/Stop] b5t5
- [Auto/Manual] bA000
- [PID controller] bP id
- [Preset speeds] bP5P
- [Modbus] bNbC
- [Multi-pump 1] bNP1
- [Multi-pump 2] bNP2

**1.2 [Simply start] 5 i n -**

- [Nominal Motor Power] nPr
- [Nom Motor Current] nCr
- [Motor Th Current] iEH
- [Acceleration] aCC
- [Deceleration] dEC
- [Low speed] LSP
- [High speed] HSP
- [Output Ph Rotation] PHr
- [Ref Freq 1 Config] Fr1
- [OutPhaseLoss Assign] oPL
- [2/3-Wire Control] tCC
- [Dual rating] drt

**1.3 [Modified parameters] L Nd -**

**2 [Display] n o n -**

**2.1 [Motor parameters] n n o -**

- [Motor Speed] SPd
- [Motor voltage] uoP
- [Motor Power] oPr
- [Motor Torque] oEr
- [Motor Current] LCr
- [Motor Therm State] tHr

**2.2 [Drive parameters] n P i -**

- [Pre-Ramp Ref Freq] FrH
- [Ref Frequency] LFr
- [Motor Frequency] rFr
- [Mains Voltage] uLn
- [DC bus voltage] vbu5
- [Drive Therm State] tHd
- [Used param. set] CFP5
- [Motor Run Time] r tH
- [Power-on time] P tH
- [IGBT Warning Counter] tAC
- [PID reference] r PC
- [PID feedback] r PF
- [PID Error] r PE
- [PID Output] r Po

**2.3 [I/O Map] i o n -**

- [Digital Input Map] L iA -
- [Analog inputs image] A iA -
  - [AI(x) assignment] A iX A
  - [AI(x) Min. Value] u iL X
  - [AI(x) Max Value] u iH X
  - [AI(x) Min. Value] CrL X
  - [AI(x) Max Value] CrH X
  - [AI(x) filter] A iX F
 where x is a number from 1 to 5
- [Analog outputs image] A oA -
  - [AQ(x) assignment] A oX
  - [AQ(x) min Output] u oL X
  - [AQ(x) max Output] u oH X
  - [AQ(x) min output] A oL X
  - [AQ(x) max output] A oH X
  - [Scaling AQ(x)min] ASL X
  - [Scaling AQ(x)max] ASH X
  - [AQ(x) Filter] A oX F
 where x is a number from 1 to 2
- [Digital Output Map] L oA

**2.4 [Energy parameters] E n P -**

- [Motor Consumption (TWh)] nE4
- [Motor Consumption (GWh)] nE3
- [Motor Consumption (MWh)] nE2
- [Motor Consumption (kWh)] nE1
- [Motor Consumption (Wh)] nE0

**2.5 [Communication map] C n n -**

- [Command Channel] C n d C
- [Cmd Register] C n d
- [Ref Freq Channel] r F C C
- [Pre-Ramp Ref Freq] FrH
- [CIA402 State Reg] E tA
- [Modbus network diag] n n d -

- [COM LED] n d b i
- [Mdb Frame Nb] n i c t
- [Mdb NET CRC errors] n i E c
- [Com. scanner input map] i s A -
- [Com Scan In(x) val.] n n i to n n B
- [Com scan output map] o s A -
- [Com Scan Out(x) val.] n c i to n c B
- [Modbus HMI diag] n d H -
- [COM LED] n d b 2
- [Mdb NET frames] n 2 c t
- [Mdb NET CRC errors] n 2 E c
- [Command word image] C w i -
- [Modbus Cmd] C n d i
- [COM. Module cmd.] C n d 3
- [Freq. ref. word map] r w i -
- [Modbus Ref Freq] L F r i
- [Com Module Ref Freq] L F r 3

**2.6 [Application Parameters] A P r -**

- [Variable Speed Pump] n P P -
- [Available Pumps] n P A n
- [Nb of Staged Pumps] n P 5 n
- [Lead Pump] P L i d
- [Next Staged Pump] P n t 5
- [Next Destaged Pump] P n t d
- [Pump (x) State] P X 5
- [Pump (x) Type] P X t
- [Pump (x) Runtime] P X o t
- [Pump (x) Nb Starts] P X n 5
- where x is a number from 1 to 6
- [Booster Control Pump] b c P -
- [Booster Status] b c 5

**3 [Diagnostics] d i A -**

**3.1 [Diag. data] d d t -**

- [Last Warning] L A L r
- [Last Error] L F t
- [Nb Of Starts] n 5 n
- [Motor Run Time] r t H
- [Other State] 5 5 t
- [Identification] o i d

**3.2 [Error history] P F H -**

- [Last Error (x)] d P i to d P B
- [Drive state] H 5 x
- [Last Error (x) Status] E P x
- [ETI state word] i P x
- [Cmd word] C n P x
- [Motor current] L C P x
- [Output frequency] r F P x
- [Elapsed time] r t P x
- [DC bus voltage] u L P x
- [Motor therm state] t H P x
- [Command Channel] d C C x
- [Ref Freq Channel] d r C x
- [Motor Torque] o t P x
- [Drive Thermal State] t d P x
- [IGBT Junction Temp] t J P x
- [Switching Frequency] 5 F P x
- where x is a number from 1 to 8

**3.3 [Warnings] A L r -**

- [Actual Warnings] A L r d
- [Warning History] A L h

**4 [Complete settings] C 5 t -**

**4.1 [Motor parameters] n P A -**

- [Motor Standard] b F r
- [Nominal Motor Power] n P r
- [Nom Motor Voltage] u n 5
- [Nom Motor Current] n C r
- [Nominal Motor Freq] F r 5
- [Nominal Motor Speed] n 5 P
- [Max frequency] t F r
- [Motor Th Current] i t H
- [Output Ph Rotation] P H r
- [Motor control type] C t t
- [UF Profile] P F L
- [U1] u 1
- [F1] F 1
- [U2] u 2
- [F2] F 2
- [U3] u 3
- [F3] F 3
- [U4] u 4
- [F4] F 4
- [U5] u 5
- [F5] F 5
- [IR compensation] u F r
- [Slip compensation] 5 L P
- [Switching frequency] 5 F r
- [Switch Freq Type] 5 F t
- [Noise Reduction] n r d
- [Motor surge limit.] 5 V L
- [Attenuation Time] 5 o P
- [Current Limitation] C L i
- [Autotuning] t u n
- [Autotuning Status] t u 5
- [Dual rating] d r t
- [Boost activation] b o A
- [Boost] b o o
- [Freq Boost] F A b

**4.2 [Input/Output] i o n -**

- [2/3-Wire Control] t C C
- [2-wire type] t C t
- [Reverse Assign] r r 5
- [DI1 Assignment] L i C -
  - [DI1 Low Assignment] L i L
  - [DI1 High Assignment] L i H
  - [DI1 Delay] L i d
- [DI2 Assignment] L i 2 C -
- [DI3 Assignment] L i 3 C -
- [DI4 Assignment] L i 4 C -
- [DI5 Assignment] L i 5 C -
- [DI6 Assignment] L i 6 C -
- [DI11 Assignment] L i 11 C -
- [DI12 Assignment] L i 12 C -
- [DI13 Assignment] L i 13 C -
- [DI14 Assignment] L i 14 C -
- [DI15 Assignment] L i 15 C -
- [DI16 Assignment] L i 16 C -
- [Ref Freq template] b 5 P
- [AI1 configuration] A i -
  - [AI1 assignment] A i A
  - [AI1 Type] A i t
  - [AI1 Min. Value] u i L i
  - [AI1 Max Value] u i H i
  - [AI1 Min. Value] CrL i
  - [AI1 Max Value] CrH i
  - [AI1 filter] A i F
  - [AI1 Interm. point X] A i I E
  - [AI1 Interm. point Y] A i I 5
- [AI2 configuration] A i 2 -
- [AI3 configuration] A i 3 -
- [AI4 configuration] A i 4 -
- [AI5 configuration] A i 5 -
- [AIV1 assignment] A V i A -
- [DQ11 configuration] d o 11 -
- [DQ12 configuration] d o 12 -
- [R1 configuration] r i -
  - [R1 Assignment] r i
  - [R1 Delay time] r i d
  - [R1 Active at] r i 5
  - [R1 Holding time] r i H
- [R2 configuration] r 2 -
- [R3 configuration] r 3 -
- [R4 configuration] r 4 -
- [R5 configuration] r 5 -



[i] after c o d E means there are more parameters levels  
 Some parameters have visibility constraints, see ATV610 Programming manual (EAV64387) on [www.se.com](http://www.se.com)

[R6 configuration] *r6-*  
 [AQ1 configuration] *Ao1-*  
 [AQ1 assignment] *Ao1-*  
 [AQ1 Type] *Ao1t*  
 [AQ1 min output] *AoL1*  
 [AQ1 max output] *AoH1*  
 [AQ1 min output] *uol1*  
 [AQ1 max output] *uoh1*  
 [Scaling AQ1 min] *ASL1*  
 [Scaling AQ1 max] *ASH1*  
 [AQ1 Filter] *Ao1F*

[AQ2 configuration] *Ao2-*

#### 4.3 [Command and Reference] *CrP-*

[Low Speed] *LSP*  
 [High Speed] *HSP*  
 [Ref Freq 1 Config] *Frl*  
 [Reverse Disable] *rin*  
 [Stop Key Enable] *PSst*  
 [Control Mode] *CHCF*  
 [Command Switching] *CCS*  
 [Cmd channel 1] *cd1*  
 [Cmd channel 2] *cd2*  
 [Freq Switch Assign] *rFC*  
 [Ref Freq 2 Config] *Frr2*  
 [Copy Ch1-Ch2] *CoP*  
 [Forced Local Freq] *FLoC*  
 [Time-out forc. local] *FLob*  
 [Forced Local Assign] *FLo*  
 [HMI cmd.] *bNP*

#### 4.4 [Generic functions] *CSGF-*

[Ramp] *rAPP-*  
 [Ramp Type] *rPt*  
 [Ramp increment] *inr*  
 [Acceleration] *ACC*  
 [Deceleration] *dEC*  
 [Begin Acc round] *EAR1*  
 [End Acc round] *EAR2*  
 [Begin Dec round] *EAR3*  
 [End Dec round] *EAR4*  
 [Ramp 2 Thd] *Frrt*  
 [Ramp Switch Assign] *rPS*  
 [Acceleration 2] *ACC2*  
 [Deceleration 2] *dEC2*  
 [Dec.Ramp Adapt] *brA*  
 [+/- speed] *uPd-*  
 [+ Speed Assign] *uSP-*  
 [- Speed Assign] *dSP-*  
 [Ref Frequency Save] *SEr*  
 [Stop configuration] *SEt-*  
 [Type of stop] *SEt*  
 [Freewheel Stop] *nsE*  
 [Freewheel stop Thd] *FFt*  
 [Fast Stop Assign] *FSt-*  
 [Ramp Divider] *dCF*  
 [DC Injection Assign] *dC,*  
 [DC Inj Level 1] *idC*  
 [DC Inj Time 1] *td,*  
 [DC Inj Level 2] *idC2*  
 [DC Inj Time 2] *tdC2*  
 [Auto DC injection] *AdC-*  
 [Auto DC injection] *AdC*  
 [Auto DC inj Level 1] *SDC1*  
 [Auto DC inj Time 1] *tdC1*  
 [Auto DC inj Level 2] *SDC2*  
 [Auto DC inj Time 2] *tdC2*  
 [Jog] *JoG-*  
 [Jog Assign] *JoG-*  
 [Jog Frequency] *JGF*  
 [Jog Delay] *JGt*  
 [Preset Speeds] *PSS-*  
 [2 Preset Freq] *PS2*  
 [4 Preset Freq] *PS4*  
 [8 Preset Freq] *PS8*  
 [16 Preset Freq] *PS16*  
 [Preset Speed 2] *SP2*  
 [Preset Speed 3] *SP3*  
 [Preset Speed 4] *SP4*  
 [Preset Speed 5] *SP5*  
 [Preset Speed 6] *SP6*  
 [Preset Speed 7] *SP7*  
 [Preset Speed 8] *SP8*  
 [Preset Speed 9] *SP9*  
 [Preset Speed 10] *SP10*  
 [Preset Speed 11] *SP11*  
 [Preset Speed 12] *SP12*  
 [Preset Speed 13] *SP13*  
 [Preset Speed 14] *SP14*  
 [Preset Speed 15] *SP15*  
 [Preset Speed 16] *SP16*  
 [Skip Frequency] *JPF*  
 [Skip Frequency 2] *JF2*  
 [3rd Skip Frequency] *JF3*  
 [Skip Freq.Hysteresis] *JFH*  
 [Define system units] *SuC-*  
 [P sensor unit] *SuPr*

[Flow rate unit] *SuFr*  
 [Temperature unit] *SuTPr*  
 [Currency unit list] *SuCu*  
 [Liquid Density] *rHo*  
 [PID controller] *Pid-*  
 [PID Feedback] *Fdb*  
 [Type of control] *tCCt*  
 [PID feedback Assign] *PiF*  
 [Min PID feedback] *PiF1*  
 [Max PID feedback] *PiF2*  
 [PID feedback] *rPF*  
 [Min fbk Warning] *PAL*  
 [Max fbk Warning] *PAH*

[PID Reference] *rF-*

[Intern PID Ref] *Pi,*  
 [Ref Freq 1 Config] *Frl*  
 [Min PID Process] *PiP1*  
 [Max PID Process] *PiP2*  
 [Internal PID ref] *rP,*  
 [Auto/Manual assign.] *PAu*  
 [Manual PID reference] *PiN*  
 [PID preset references] *Pri-*  
 [2 PID Preset Assign] *Prr2*  
 [4 PID Preset Assign] *Prr4*  
 [Ref PID Preset 2] *rP2*  
 [Ref PID Preset 3] *rP3*  
 [Ref PID Preset 4] *rP4*  
 [Predictive Speed Ref] *FPr,*  
 [Speed input %] *PSr*

[Settings] *SE-*

[PID Prop.Gain] *rPG*  
 [PID Intgl.Gain] *riG*  
 [PID derivative gain] *rdG*  
 [PID ramp] *rPp*  
 [PID Inversion] *PiC*  
 [PID Min Output] *PoL*  
 [PID Max Output] *PoH*  
 [PID error Warning] *PEr*  
 [PID Integral OFF] *PiS*  
 [PID acceleration time] *ACCp*  
 [PID Start Ref Freq] *SFS*

[Sleep/Wakeup] *SPW*

[Sleep menu] *SLP-*

[Sleep Detect Mode] *SLPN*  
 [Sleep Switch Assign] *SLPw*  
 [Inst. Flow Assign.] *FSIA*  
 [Sleep Flow Level] *SLnL*  
 [OutletPres Assign] *PS2A*  
 [Sleep Pressure Level] *SLPL*  
 [Sleep Min Speed] *SLSL*  
 [Sleep Power Level] *SLPr*  
 [Sleep Delay] *SLPd*  
 [Boost] *Sbt-*  
 [Sleep Boost Speed] *SLbS*  
 [Sleep Boost Time] *SLbt*  
 [Advanced sleep check] *AdS-*  
 [Sleep Mode] *ASLN*  
 [Sleep Condition] *ASLc*  
 [Sleep Check Delay] *ASLd*  
 [Check Sleep Ref spd] *ASLr*

[Wake up menu] *WKP-*

[Wake Up Mode] *wuPN*  
 [Wake Up Process level] *wuPF*  
 [Wake Up Process Error] *wuPE*  
 [OutletPres Assign] *PS2A*  
 [Wake Up Press level] *wuPL*  
 [Wake Up Delay] *wuPd*

[Threshold reached] *HErE-*

[High Current Thd] *Ctd*  
 [Low I Threshold] *CtdL*  
 [Motor Freq Thd] *Ftd*  
 [Low Freq.Threshold] *FtdL*  
 [Freq. threshold 2] *F2d*  
 [2 Freq. Threshold] *F2dL*  
 [Motor Therm Thd] *kttd*  
 [Reference high Thd] *rctd*  
 [Reference low Thd] *rctdL*

[Mains contactor command] *LLC-*

[Mains V. time out] *Lct*  
 [Mains Contactor] *LLc*  
 [Drive Lock] *LES*

[Parameters switching] *NLP-*

[2 Parameter sets] *chA1*  
 [3 Parameter sets] *chA2*  
 [Parameter Selection] *SPS*

[Stop after speed timeout] *PrrSP-*

[Low Speed Timeout] *ELs*  
 [Sleep Offset Thres.] *SLt*

[Advanced sleep check] *AdS*  
 [Sleep Mode] *ASLN*  
 [Sleep Condition] *ASLc*  
 [Sleep Check Delay] *ASLd*  
 [Check Sleep Ref spd] *ASLr*

[Booster Control] *bSt-*

[System Architecture] *PPq-*  
 [Pump System Archi] *PPSA*  
 [Nb Of Pumps] *PPn*

[Pumps Configuration] *PuPP-*  
 [Pump 1 Cmd Assign] *PPo1*  
 [Pump 1 Ready Assign] *PPr1*  
 [Pump 2 Cmd Assign] *PPo2*  
 [Pump 2 Ready Assign] *PPr2*  
 [Pump 3 Cmd Assign] *PPo3*  
 [Pump 3 Ready Assign] *PPr3*  
 [Pump 4 Cmd Assign] *PPo4*  
 [Pump 4 Ready Assign] *PPr4*  
 [Pump 5 Cmd Assign] *PPo5*  
 [Pump 5 Ready Assign] *PPr5*  
 [Pump 6 Cmd Assign] *PPo6*  
 [Pump 6 Ready Assign] *PPr6*

[Pump Cycling Mode] *PPPc*  
 [Lead Pump Altern.] *PLPA*  
 [Altern Wait Time] *PPAt*  
 [Pump Auto Cycling] *PPcP*  
 [Pump Ready Delay] *PPrd*  
 [MultiPump ErrorResp] *PPFb*  
 [Booster Control] *bSc-*  
 [Booster Control] *bcn*  
 [Stage/Destage Cond.] *SDcN-*  
 [Boost Working range] *bCWAr*  
 [Booster Stg Delay] *b5d*  
 [Booster Dstg Delay] *b5dd*  
 [Boost Override range] *bCOrA*  
 [Booster S/D Interval] *b5dte*

#### 4.5 [Generic monitoring] *GPr-*

[Stall monitoring] *SEPr-*

[Stall monitoring] *SEPr*  
 [Stall Max Time] *SEPt*  
 [Stall Current] *SEPr2*  
 [Stall Frequency] *SEPr3*

[Therm sensor monit] *ntESP-*

[A12 Th Monitoring] *th2S*  
 [A12 Type] *A12t*  
 [A12 Th Warn Level] *th2AR*  
 [A12 Th Error Level] *th2AF*  
 [A12 Th Error Resp] *th2b*  
 [A12 Th Value] *th2V*  
 [A13 Th Monitoring] *th3S*  
 [A13 Type] *A13t*  
 [A13 Th Warn Level] *th3AR*  
 [A13 Th Error Level] *th3AF*  
 [A13 Th Error Resp] *th3b*  
 [A13 Th Value] *th3V*  
 [A14 Th Monitoring] *th4S*  
 [A14 Th Warn Level] *th4AR*  
 [A14 Th Error Level] *th4AF*  
 [A14 Th Error Resp] *th4b*  
 [A14 Th Value] *th4V*  
 [A15 Th Monitoring] *th5S*  
 [A15 Th Warn Level] *th5AR*  
 [A15 Th Error Level] *th5AF*  
 [A15 Th Error Resp] *th5b*  
 [A15 Th Value] *th5V*

#### 4.6 [Error/Warning handling] *CSWn-*

[Fault Reset] *rSE-*

[Fault Reset Assign] *rSF*  
 [Prod Restart Assign] *rPA*  
 [Product restart] *rP*  
 [Auto Fault Reset] *ARr-*  
 [Auto Fault Reset] *ARr*  
 [Fault Reset Time] *ARr*

[Catch on the fly] *FLr-*

[Catch On Fly] *FLr*  
 [Catch on Fly Sensitivity] *Vcb*  
 [Motor thermal monit] *HEt-*  
 [Motor Thermal Mode] *tht*  
 [Motor Therm Thd] *kttd*  
 [MotorTemp ErrorResp] *oLL*

[Output phase Loss] *oPL-*

[OutPhaseLoss Assign] *oPL*  
 [OutPhaseLoss Delay] *oPLt*  
 [Input phase loss] *iPL-*  
 [InPhaseLoss Assign] *iPL*

[External error] *EEF-*

[Ext Error assign] *EEF*  
 [Ext Error Resp] *EPL*  
 [Undervoltage handling] *uSb-*  
 [Undervoltage Resp] *uSb*  
 [Mains voltage] *urES*  
 [Undervoltage level] *uSL*  
 [UnderVolt timeout] *uSt*  
 [Stop Type PLoss] *StP*  
 [UnderV. restart tm] *uSn*  
 [Prevention level] *uPL*  
 [Max stop time] *Stn*  
 [DC bus maintain time] *tbS*

[Ground Fault] *GrrFL-*

[Ground Fault Activation] *GrrFL*  
 [4-20 mA loss] *LFL-*  
 [A11 4-20mA loss] *LFL1*  
 [A12 4-20mA loss] *LFL2*  
 [A13 4-20mA loss] *LFL3*

[AI4 4-20mA loss] *LFL4*  
 [AI5 4-20mA loss] *LFL5*  
 [Error detection disable] *INH-*  
 [ErrorDetect Disable] *INH*  
 [Fieldbus Interrupt Resp] *CLL-*  
 [Modbus Error Resp] *SLL*  
 [Communication Module] *COPO-*  
 [Fieldbus Interrupt Resp] *CLL*  
 [Tuning Error Resp] *ENL*  
 [Process underload] *ULD-*  
 [Unld T. Del. Detect] *ULt*  
 [Unld. Thr.Nom.Speed] *LUN*  
 [Unld. Thr.0.Speed] *LUl*  
 [Unld. FreqThr. Det.] *rNUd*  
 [Hysteresis Freq] *Srb*  
 [Underload Mangmt.] *udL*  
 [Underload T.B.Rest.] *Ftu*  
 [Process overload] *OLD-*  
 [Ovld Time Detect.] *OLt*  
 [Ovld Detection Thr.] *LOc*  
 [Hysteresis Freq] *Srb*  
 [Ovld.Proces.Mngmt] *odL*  
 [Overload T.B.Rest.] *Fto*  
 [Warning groups config] *AGCF-*  
 [Warn grp 1 definition] *A1c*  
 [Warn grp 2 definition] *A2c*  
 [Warn grp 3 definition] *A3c*  
 [Warn grp 4 definition] *A4c*  
 [Warn grp 5 definition] *A5c*

#### 4.7 [Maintenance] *CSNA-*

[Diagnostics] *dAu-*  
 [FAN Diagnostics] *Fnt*  
 [LED Diagnostics] *hLt*  
 [IGBT Diagnostics with motor] *iWt*  
 [IGBT Diagnostics w/o motor] *iWot*  
 [Fan management] *FANA-*  
 [Fan mode] *FfN*  
 [Time Counter Reset] *rPr*  
 [Overmodul. Activation] *oVNA*

#### 5 [Communication] *COPI-*

[Modbus Address] *Add*  
 [Modbus baud rate] *EBR*  
 [Modbus Format] *EFo*  
 [ModbusTimeout] *EtO*  
 [Com. scanner input] *iCS-*  
 [Scan. IN1 address] *nNA1*  
 [Scan. IN2 address] *nNA2*  
 [Scan. IN3 address] *nNA3*  
 [Scan. IN4 address] *nNA4*  
 [Scan. IN5 address] *nNA5*  
 [Scan. IN6 address] *nNA6*  
 [Scan. IN7 address] *nNA7*  
 [Scan. IN8 address] *nNAB*  
 [Com. scanner output] *oCS-*  
 [Scan.Out1 address] *ncA1*  
 [Scan.Out2 address] *ncA2*  
 [Scan.Out3 address] *ncA3*  
 [Scan.Out4 address] *ncA4*  
 [Scan.Out5 address] *ncA5*  
 [Scan.Out6 address] *ncA6*  
 [Scan.Out7 address] *ncA7*  
 [Scan.Out8 address] *ncAB*  
 [Profibus] *Pbc-*  
 [Address] *Adrc*

#### 6 [File management] *FPIE-*

##### 6.1 [Transfer config file] *ECF-*

[Copy to the drive] *oPF*  
 [Copy from the drive] *SrF*

##### 6.2 [Factory settings] *FCS-*

[Config. Source] *FCS,*  
 [Parameter group list] *Fry-*  
 [Go to Factory Settings] *GF5*  
 [Save Configuration] *SCS,*

##### 6.3 [Firmware Update] *FWUP-*

[Firmware update diag] *Fwud-*  
 [Firmware Update Status] *FwSt*  
 [Firmware Update Error] *FWEr*  
 [Identification] *oid-*  
 [Package version] *Pfu-*  
 [Package Type] *PKEP*  
 [Package Version] *PKV5*  
 [Update Firmware] *FWrP-*  
 [Abort Firmware Update] *FWCL*

#### 7 [My preferences] *NYPP-*

##### 7.1 [Language] *LnG-*

##### 7.2 [Password] *COd-*

[Password status] *PSSt*  
 [Password] *PWd*  
 [Upload rights] *uLr*  
 [Download rights] *dLr*

##### 7.3 [Customization] *CU5-*

[Display screen type] *NSC-*  
 [Display value type] *NDt*  
 [Parameter Selection] *PPc*

##### 7.4 [Access Level] *LRAc-*

[Basic] *bAS*  
 [Expert] *EPr*

##### 7.5 [LCD settings] *cNL-*

[Screen Contrast] *cSt*  
 [Standby] *SbY*  
 [Display Terminal locked] *KLCK*



## Troubleshooting

Scan the QR code in front of the drive to get the error codes explanations in the *Diagnostics* section.

# Notes