The firmware of an AC10 IP20 0.2kW~22kW (excluding 3Ph 230V 4kW~15kW) can be updated using the process described here. These can be identified by the Model Number.

	Parker	Parl	ker Hann	ifin Cor	porat vw.parke	ion r.com
MODEL			10G - 42 -	0065 - BF		
INPUT	3 PH	AC	380~480	V 7.5/7	7.0 A	50/60 Hz
OUTBUT	3 PH		0~INPUT	V 6	6.5 A	2.2 kW
oonron			0~590	Hz		
CULUS CE		[BAR	AR CODE		
5DR6	IP20 E142140		SW NO. 2.10	BS NO. 1.01		Made In China

10G-X1-XXXX-XX
10G-X2-XXX-XX
10G-43-XXX-XX
10G-44-XXXX-XX
10G-45-XXX-XX

For example, is an IP20 AC10 Frame 2 so can be updated.

Required Tools:

- 1) Programming software (Windows)
- 2) RS485 4-wire Converter
- 3) Programming Cable
- 4) Jumper for J9 link (bent paper-clip will do.)
- 5) 5V power supply (3 x AA battery will do) or USB via 1002-00-00 CLONE MODULE.

The programming software and the latest firmware can be downloaded from http://divapps.parker.com/divapps/ssde/ssde/Downloads/AC10FwInstaller/publish.htm Note: The firmware installer is not updated since 2.322. The firmware 2.331 can be chosen by a "User Firmware File".



Any RS485 converter can be used as long as it supports 4-wire mode. A good example is the Moxa Uport1130 Rs-422/485 USB-to-Serial Adaptor.

The Programming Cable is an RJ45 (Ethernet standard) connected as follows:



the same cable connected to a Moxa converter:



Jumper for J9 link:



The Process

Important Notes Before Continuing with Firmware Update

- Check the values of F103 (kW rating of Drive) and F104 (Phase and Voltage rating of the Drive). These values need to be re-entered after the firmware update. On a system fitted Drive the label with this information is not always visible.
- 2. Do you need to save the existing Configuration installed in the Drive? The firmware update will set the values in the Drive back to default. The installed configuration can be extracted with DSE Lite before commencing with the update. Once you have started updating you cannot restore the configuration without a saved DSE Lite parameter extraction.









5V can be supplied by USB using the 1002-00-00 CLONE MODULE



For AC10s that do not have the RS485 connector, pin 2 (5V) and pin 3 (0V) of the programming cable may be used instead.

For use with AC10 Setup AC10 Serial Communication	IP20 0.2kW - 22kW (NO	T 3Ph 230	V 15kW)	
7 10005	Port:		▼ R	
		COM4 C	ualcomm Gobi 2000	HS-USB NMEA 9205 (CO
Distant Party	Baud Rate:	COM14 S	tandard Serial over B	Bluetooth link (COM14)
		COM8 Ir	ntel(R) Active Manag	ement Technology - SOL
		COM15 S	tandard Serial over F	Ruetooth link (COM15)
		COM15 C	Qualcomm Gobi 2000	HS-USB Diagnostics 920
Firmware File				
Built In AC10G13AL227.bin				
User			Browse to File	
Install Firmware				
	Install			
			0 KB/s	
AC10 FW Upgrader V1.3.0.0			0 KB/s	
AC10 FW Upgrader V1.3.0.0			0 KB/s]
AC10 FW Upgrader V1.3.0.0 For use with AC10	IP20 0.2kW - 22kW (NOT	۲ 3Ph 230۱	0 KB/s	
AC10 FW Upgrader V1.3.0.0 For use with AC10 Setup AC10 Serial Communication	1 P20 0.2kW - 22kW (NOT Port:	7 3Ph 230	0 KB/s	
AC10 FW Upgrader V1.3.0.0 For use with AC10 Setup AC10 Serial Communication	1 120 0.2kW - 22kW (NO T Port:	[3Ph 230)	0 KB/s	
AC10 FW Upgrader V1.3.0.0 For use with AC10 Setup AC10 Serial Communication	IP20 0.2kW - 22kW (NOT Port: Baud Rate:	COM1 115200	0 KB/s	
AC10 FW Upgrader V1.3.0.0 For use with AC10 Setup AC10 Serial Communication	P IP20 0.2kW - 22kW (NOT Port: Baud Rate:	COM1 115200	0 K8/s	
AC10 FW Upgrader V1.3.0.0 For use with AC10 Setup AC10 Serial Communication	Port: Baud Rate:	COM1 115200	0 KB/s	
AC10 FW Upgrader V1.3.0.0 For use with AC10 Setup AC10 Serial Communication	PIP20 0.2kW - 22kW (NOT Port: Baud Rate:	COM1 115200	0 KB/s	
AC10 FW Upgrader V1.3.0.0 For use with AC10 Setup AC10 Serial Communication Example 10 Serial Communication Setup AC10 Setup AC1	IP20 0.2kW - 22kW (NOT Port: Baud Rate:	T 3Ph 230 COM1 115200	0 KB/s	
AC10 FW Upgrader V1.3.0. For use with AC10 Setup AC10 Serial Communication Figure 22, PID: 0x0414 Firmware File Built In AC10613A1227.bin	IP20 0.2kW - 22kW (NOT Port: Baud Rate:	F 3Ph 230V COM1 115200	0 KB/s	
AC10 FW Upgrader V1.3.0. For use with AC10 Setup AC10 Serial Communication USE Connected: Ver. 22, PID: 0x0414 Firmware File Built in AC10613AL227.bin USer	IP20 0.2kW - 22kW (NOT Port: Baud Rate:	F 3Ph 230V COM1 (115200	0 KB/s	
AC10 FW Upgrader V1.3.0.0 For use with AC10 Setup AC10 Serial Communication Setup AC10 Serial Communication Connected: Ver. 2.2, PID: 0x0414 Firmware File B out in AC10613AL227.bin User Install Firmware	Port: Baud Rate:	COM1 (115200)	0 KB/s	
AC10 FW Upgrader V1.3.0.0 For use with AC10 Setup AC10 Serial Communication Example 1 Communication Connected: Ven 2.2, PID: 0x0414 Firmware File Built In AC10613AL227.bin User Install Firmware	IP20 0.2kW - 22kW (NOT Port: Baud Rate:	COM1 (115200	0 KB/s	
AC10 FW Upgrader V1.3.0.0 For use with AC10 Setup AC10 Serial Communication University Operation of the second second Connected: Ver: 2.2, PID: 0x0414 Firmware File Built in AC10613AL227.bin User Install Firmware	Port: Baud Rate:	F 3Ph 230V COM1 115200	0 KB/s	
AC10 FW Upgrader V1.3.0.0 For use with AC10 Setup AC10 Serial Communication Use Connected: Ver. 2.2, PID: 0x0414 Firmware File Built in AC10G13AL227.bin User Install Firmware	Port: Baud Rate:	COM1 (115200	0 KB/s	
AC10 FW Upgrader V1.3.0. For use with AC10 Setup AC10 Serial Communication University of the series of the seri	Port: Baud Rate:	COM1 [115200	0 KB/s	
AC10 FW Upgrader V1.3.0.0 For use with AC10 Setup AC10 Serial Communication Example: AC10 Serial Communication Example: AC10 Serial Communication Connected: Ver. 2.2, PID: 0x0414 Firmware File Built In AC10613AL227.bin User Install Firmware	IP20 0.2kW - 22kW (NOT Port: Baud Rate: Install	COM1 (115200	0 KB/s	