

Keycell Elite (FOTA) - Complete List of Parameters

The table below show the complete list of features. Programming messages below must begin with 9999# (assuming 9999 is still the programming passcode...)	Latest firmware release: V1.0.2
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SMS String	Description	Default	Firmware Version
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9999#02X#	Toggle between Firmware variations. X = 1 Keycell Elite - PASS (For building/gate access where optional name for keypad code/prox card can be specified). X = 2 Keycell Elite - PARK (For parking lot access where optional month(s) of operation of keypad code/prox card can be specified). Sending this command will cause all Keypad and Prox data to be cleared. The system will also reboot.	1	Original (V1.0.1)
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Passcodes

9999#01Code#	Change programming passcode Code = 4 digit passcode	9999	Original
9999#02Code#	Change access control passcode (SMS control of relays, or non-stored numbers can call intercom and enter code to trigger relay 1). Code = 4 digit passcode	1234	Original

Volume

9999#31X#	Keypad Volume Level X = 1-3	3	Original
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Push-To-Exit

9999#22X#	Switch PTE relay from relay 1 to 2 X = 1 or 2 (1 = Relay 1, 2 = Relay 2)	1	Original
9999#22#Day,Day,Day#Time1,Time2#	Enter all active days during which PTE should operate. Day = mon,tue,wed,thu,fri,sat,sun. Time1 = start time Time2 = end time (24 hr format, no colon. E.G 8:30am = 0830)	N/A	Original
9999#22#*#	Delete all Push To Exit times.	N/A	Original

Relay Operation via SMS

1234#X#	Manually trigger,latch or unlatch relays by SMS. X = Relay function. (1 = Trigger relay 1, 2 = Latch relay 1, 3 = Unlatch relay 1) (4 = Trigger relay 2, 5 = Latch relay 2, 6 = Unlatch relay 2)	N/A	Original
9999#81X#	Disable SMS reply from manual trigger, latch or unlatch command. X = 0 or 1 (0 = Disable, 1 = Enable)	1	Original

Relay Names and Status Names

9999#39#Name1#Name2#RelayStatus1#RelayStatus2###	Set Doorstation Relay Names & Status Names (These names will also be denoted in the SMS replies from manual trigger, latch or unlatch commands). Name1 = Relay 1 name e.g. Front Gate Name2 = Relay 2 name e.g. Back Gate RelayStatus1 = Latched Relay Status name e.g. Open RelayStatus2 = Unlatched Relay status name e.g. Closed	N/A	Original
9999#391#Aux1#Aux2#Aux3#Aux4#Aux5#Aux6#	Set Auxiliary Relay Names (status names already defined in above SMS) Aux1 = Auxiliary 1 name e.g. Front Door Keypad Aux2 = Auxiliary 2 name e.g. Lobby Prox Reader Maximum of 6 Auxiliaries	N/A	Original

Master Unit Relay Times

9999#50X#	Relay 1 time. X = 1-9999 secs	1 sec	Original
9999#51X#	Relay 2 time. X = 1-9999 secs	1 sec	Original

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Auxiliary Unit Relay Times

9999#053X#	Relay 3 time. X = 1-9999 secs	1 sec	Original
9999#054X#	Relay 4 time. X = 1-9999 secs	1 sec	Original
9999#055X#	Relay 5 time. X = 1-9999 secs	1 sec	Original
9999#056X#	Relay 6 time. X = 1-9999 secs	1 sec	Original
9999#057X#	Relay 7 time. X = 1-9999 secs	1 sec	Original
9999#058X#	Relay 8 time. X = 1-9999 secs	1 sec	Original

Automatic Relay Times (Master Unit Only)

1234#X#Day,Day,Day#Time#	X=1,2,3 (trigger, latch, unlatch relay 1) 4,5,6 (trigger, latch, unlatch relay 2) Day = days of the week (mon,tue,wed,thu,fri,sat,sun) Time = time of day (24 hr format, no colon. E.g. 8:30am = 0830)	N/A	Original
1234*#	Delete all automatic relay times.	N/A	Original

Notifications (Master Unit Only)

9999#78Phonenumber#	Store up to four phone numbers to receive a notification message when access is granted (includes relays being unlatched) or denied (keypad is locked out). These will also receive notification of daily mastercode. Max 4 per message e.g. 9999#78phonenumber#78phonenumber#78phonenumber#78phonenumber#	N/A	Original
9999#78*#	Delete all notification phone numbers.	N/A	Original
9999#79Text1#Text2#X#	Program message the notified number(s) will receive. Text1 = When access is granted- text to send to the receiving phone(s) (e.g. 'Gate Operated') Text2 = When access is denied- text to send to the receiving phone(s) (e.g. 'Keypad locked out') X=1 or 2 (optional) (relays 1 AND 2 by default).	N/A	Original
9999#80X#	Enable notification to be sent when gate is triggered. X = 0 or 1 (0 = Disable, 1 = Enable)	N/A	Original

Time Synchronisation

9999#86SIMphonenumber#	Store Intercom OWN phone number for time sync after reboot/power failure.	N/A	Original
9999#86*#	Delete the programmed phone number.	N/A	Original
9999#87Days#	Activate auto time reset for Winter/Summer daylight saving days = 0-99 (0 = no SMS)	0	Original
9999#67X#	Time Synchronisation Mode X = 0 or 1 (0 = synchronisation by SMS, 1 = synchronisation by NTP server) (Modem will reboot when set to NTP server method).	0	Original
9999#66X#	Set Time Zone (for use with NTP server time synchronisation method) e.g. 9999#660# for GMT or 9999#66-5# for ET (Modem will reboot, followed by an SMS denoting the new date and time after boot up).	N/A	Original
9999#96X#	Adjust timestamp manually to account for local time differences (SMS method only). (E.g. the local time is 15:30 but the time in the intercom is 17:30 - use this code to adjust the time: 9999#96-2#) X = -24 to 24 (SMS reply will denote updated date and time).	0	Original

Enable Auxiliary Unit(s)

9999#00X#	Enable/ Disable Auxiliary Unit(s) X = 0 or 1 (0 = Disable, 1 = Enable) (Default state (disabled) ensures use of both relays 1 AND 2 via keypad and/or prox- when enabled for auxiliary use, relay 1 OR 2 can be triggered via keypad and/or prox).	0	Original
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SMS String	Description	Default	Firmware Version
Keypad Code/Prox Card/Caller ID Programming - Glossary of Terms X = 1-8 for relay 1-8 Card ID = 10 digit Prox ID number Phonenumber = 4-16 digit phone number Code = 4 digit keypad code Name = Name of cardholder (optional) (max 6 characters) (default firmware- Keycell Elite - PASS) Month = month of year for the card to operate (optional) (Keycell Elite - PARK) (2 digit format; 01-12. E.g. June = 06 or May-August = 05,08) Hours = 1-168 (number of hours a codeor card is active for). Y = 1-3 for 1-3 uses (optional) (default is infinite uses) Day = mon,tue,wed,thu,fri etc. Time1 = start time, Time2 = end time (24 hr format, no colon. E.G 8:30am = 0830) Time = 1-9999 seconds or 0 for latching code.			
Keypad Programming			
9999#81XCode#Time#Name/ Month#	Store permanent keypad code (maximum of 250 codes).	N/A	Original
9999#82X#Hours#Code#Y#	Store temporary keypad code (maximum of 50 codes).	N/A	Original
9999#83X#Day,Day,Day#Time1,Time2#Code#Name/ Month#	Store time restricted keypad code (maximum of 250 time slots).	N/A	Original
9999#84Code#	Delete known keypad code.	N/A	Original
9999#84*#	Delete all keypad codes.	N/A	Original
9999#85X#	Keypad Lock Out feature ("three strikes...you're out" - 90 second shutdown). X = 0 or 1 (0 = Disable, 1 = Enable)	0	Original
9999#04Code#	Store Emergency keypad code for First Responders that will trigger both relays.	N/A	Original
9999#06Code#Phonenumber#	Store Unique keypad code that will dial a specific phone number.	N/A	Original
Two-Factor Authentication (2FA)			
9999#65XCode#CardID#Time#Name/ Month#	Store permanent keypad code and permanent prox card/tag ID (maximum of 250).	N/A	Original
9999#65Code#CardID#	Delete known 2FA information.	N/A	Original
9999#65*#	Delete all 2FA information.	N/A	Original
Prox Card/Tag Programming			
9999#61XCardID#Time#Name/ Month#	Store permanent prox card/tag ID (maximum of 250 cards/tags).	N/A	Original
9999#62X#Hours#CardID#Y#	Store temporary prox card/tag ID (maximum of 50 cards/tags).	N/A	Original
9999#63X#Day,Day,Day#Time1,Time2#CardID#Name/ Month#	Store time restricted prox card/tag ID (maximum of 250 time slots).	N/A	Original
9999#64CardID#	Delete known prox card/tag ID.	N/A	Original
9999#64*#	Delete all prox card/tag IDs.	N/A	Original
Caller ID			
9999#72Phonenumber#	Store permanent caller ID number (maximum of 250 numbers). (Only last 6 digits compared for ID). Max 8 per message e.g. 9999#72phonenumber#72phonenumber#72phonenumber#72phonenumber#72phonenumber#72phonenumber#72phonenumber#72phonenumber#	N/A	Original
9999#72#Day,Day,Day#Time1,Time2#Phonenumber#	Store time restricted caller ID number (maximum of 250 time slots).	N/A	Original
9999#73Phonenumber#	Delete known caller ID number.	N/A	Original
9999#73*#	Delete all caller ID numbers.	N/A	Original

SMS String	Description	Default	Firmware Version
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Caller ID Features

9999#75X#	Enable Open Caller ID mode. X = 0 or 1 (0 = Disable, 1 = Enable) (allow any unprogrammed number to call unit for immediate access)	0	Original
9999#88X#	Caller ID Mode. X = 0-2 (0 = Disable, 1 = Enable, 2 = answer then hang up) Feature added by default to prevent potential multi-triggering on some networks.	1	Original
9999#54X#	Switch Caller ID from relay 1 to 2 (Both permanent and time-restricted). X = 1 or 2 (1 = Relay 1, 2 = Relay 2) (An unstored number will still trigger relay 1 via the default usercode 1234, even if Caller ID is set to relay 2)	1	Original

Regular Status Report

9999#57X#	Set the time schedule for the intercom to make an SMS status report. X = 1 or 2 (1 = Daily, 2 = Weekly) The status report is sent at 6am; weekly report Monday 6am.	0	Original
9999#58Text#	Program intercom name to distinguish it from multiple units. Text = text to send to the receiving phone (e.g. "Keycell - Staff Entrance")	N/A	Original
9999#77Phonenumber#	Store up to four mobile phone number to receive the SMS status report from the unit. Max 4 per message e.g. 9999#77phonenumber#77phonenumber#77phonenumber#77phonenumber#	N/A	Original
9999#77*#	Delete all status report phone numbers.	N/A	Original

Network Settings

9999#97APN#	Set APN for connecting to 4G network. APN = Network's APN (this can be retrieved from the network provider e.g. 9999#97wap.vodafone.co.uk#)	N/A	Original
9999#97*#	Delete stored APN	N/A	Original
Set APN via Keypad if no 2G/3G signal. If there is no 2G/3G signal in your area the system will not be able to connect to the network at all without applying the APN. To complete this via the keypad please follow the steps below: - Power on the intercom and press the white microswitch (located beside the power terminals) three times. There is a 10 second setting mode for this, beginning with a single beep and ending with a double beep. - A long tone will be emitted from the speaker and the blue LED will remain solid - it is now in the APN setting mode. - After this, enter the APN serial number through the keypad then press #. (e.g. if you want to set APN No. 18, press 1 - 8, then #. A long beep will again be heard) - Reboot unit. <u>Note: List of the most common network APN's with associated keypad reference can be found on our resource page at aesglobalonline.com</u>		N/A	Original
9999#98X#	Change Network Mode (Turn off 4G mode to not allow data usage) [No ping when in 2G/3G mode] X = 0 4G Off (2G/3G only) ; X = 1 Auto-Switch (2G/3G/4G); X = 2 2G/3G Off (4G only).	1	Original

Email Settings (SMTP Modem Required)

9999#40X#	Set Server Type. X=1-3 X=1, SMTP server X=2, SMTPS server with SSL3.0/TLS1.0/TLS1.1/TLS1.2 supported	1	Original
9999#41X#Y#	Set SMTP server and port. X is server (64 characters max); Y is port.	N/A	Original
9999#41*##	Delete SMTP server and port	N/A	Original
9999#42X#Y#	Set sender address and password. X is the sender address (64 characters max); Y is the password (64 characters max).	N/A	Original
9999#42*##	Delete sender address and password	N/A	Original
9999#43X#	Set recipient address (64 characters max, can add two addresses).	N/A	V1.0.2
9999#43*#	Delete recipient address	N/A	Original
9999#44X#	Set carbon copy recipient address (64 characters max, can add two addresses).	N/A	V1.0.2
9999#44*#	Delete carbon copy recipient address	N/A	Original
9999#45X#	Set email subject (64 characters max).	N/A	Original
9999#45*#	Delete the email subject	N/A	Original

SMS String	Description	Default	Firmware Version
Miscellaneous			
9999#68X#	Modem auto reboot. X=0-99 (When X=0 the reboot timer is turned off; X=4, the modem will be rebooted every 4 hours.)	0	Original
9999#55X#	Max monitoring time (for listen in mode when calling the intercom) X = 00-60 mins (00 = no limit)	10 mins	Original
9999#27X#	Events Log Customise X = 5-50 (e.g. 9999#2710# for 10 events in reply message); X = 1 is a daily log (i.e. all events from 0000 to current time of *23# inquiry.)	20	Original
9999#28X#	Change SMS type. X = 1 or 2 (1 = IMS; 2 = NAS)	1	Original
9999#29X#	Relay Switch over. Switch all functionality to one specific relay using current programming. E.g Keypad code programmed for R1 will now trigger R2 when set to X=2. X = 1 or 2	N/A	Original
Information			
*10#	Check Stored Technical Information	N/A	Original
*11#	Check Mailbox Settings	N/A	Original
*20#	Check Signal Level (1-31). (recommended minimum level 10 for 4G or 3G and level 13 for 2G) Also includes firmware version, time and date, IMEI number and APN.	N/A	Original
*22#	Check Input Status and Relay Status.	N/A	Original
*23#	Events Log (check last 20 events, most recent first). Use this to see who used the intercom and when (UK date format). CID = caller ID used; CODE = keypad code used; CARD = prox card/ tag used; 2FA = Two-Factor authentication used; WGND = Wiegand Reader used; AUTO = automatic relay time; SMS = relay operated via SMS; PTE = Push-To-Exit used; FAIL = unstored code/card attempt; REBOOT-SMS = modem reboot via SMS; REBOOT-PWR = power reboot. R1-8 = relay 1-8 triggered (code or prox card/tag only). F1 = Trigger; F2 = Latch; F3 = Unlatch.	N/A	Original
*24#	Check Automatic Relay Times. (F1-3 = Function 1-3, R 1/2 = Relay 1/2) F1 = Trigger; F2 = Latch; F3 = Unlatch.	N/A	Original
*25#	Check Notification Number(s).	N/A	Original
*26#	Check Stored Time Restricted Caller ID Numbers. Includes dial in number, day and time details	N/A	Original
*28#	Check Status Report Number(s).	N/A	Original
*29#	Check Auxiliary Unit(s) Relay Status.	N/A	Original
*40#	Check Push To Exit Time Limits	N/A	Original
1234#24#	Check Two-Factor Authentication (2FA) information (code and prox card/tag) * = latching	N/A	Original
1234#25#	Check Stored Keypad Codes. Norm = permanent keypad codes; Plan = time restricted keypad codes; Temp = temporary keypad codes; R1-8 = code programmed for relay 1-8; * = latching code.	N/A	Original
1234#26#	Check Stored Prox Cards/Tags. Norm = permanent prox card/tags; Plan = time restricted prox card/tags; Temp = temporary prox card/tags; R1-8 = prox card/tag programmed for relay 1-8; * = latching card/tag.	N/A	Original
1234#27#	Check Time-Restricted Keypad Code Information. R1-8 = code programmed for relay 1-8; Day(s) and Time(s) of operation included.	N/A	Original
1234#28#	Check Time-Restricted Prox Card/Tag information. R1-8 = prox card/tag programmed for relay 1-8; Day(s) and Time(s) of operation included.	N/A	Original
1234#29#	Check Mastercode. Check daily auto-generated mastercode (for relay 1 trigger via keypad).	N/A	Original
*97#	Check MBN list.	N/A	Original
*98#	Check NTP server and Google ping status.	N/A	Original
Restore Defaults			
9999#999#	Send with passcode string to clear all programming.	N/A	Original
Hard Reset PCB if programming passcode is forgotten: Power on the intercom and press and hold the white microswitch (located beside the power terminals) until 4 beeps are emitted from the speaker. There is a 10 second setting mode for this, beginning with a single beep and ending with a double beep. N.B. All stored information will be deleted after this process!		N/A	Original