Keycell (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: V1.2.0

SMS String	Description	Default	Firmware Version
Passcodes			
9999#01Code#	Change programming passcode Code = 4 digit passcode	9999	Original (V1.1.3)
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
Push-To-Exit			
9999#22X#	Switch PTE relay from relay 1 to 2 X = 1 or 2 (1 = Relay 1, 2 = Relay 2)	1	V1.1.7
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	V1.1.7
9999#22#*#	Delete all Push To Exit times.	N/A	V1.1.7
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 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
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

SMS String	Description	Default	Firmware Version
	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
	Prox Card/Tag Programming		
9999#61XCardID#Time#Name#	Store permanent prox card/tag ID (maximum of 250 cards/tags). X=1-8 for relay 1-8. Card ID = Prox ID number (fixed 10 digits) Time = 1-9999 seconds, or 0 for latching code. Name = Name of cardholder (optional) (max 6 characters)	N/A	Original
9999#62X#Hours#CardID#	Store temporary prox card/tag ID (maximum of 50 cards/tags). X=1-8 for relay 1-8. Hours = time to expire in hours (1-168 hours) Card ID = Prox ID number (fixed 10 digits)	N/A	Original
9999#63X#Day,Day,Day#Time1,Time2#CardID#Name#	Store time restricted prox card/tag ID (maximum of 250 time slots). X=1-8 for relay 1-8. Day = day of the week e.g. mon,tue,wed,thur,fri. Time1 = start time. Time2 = end time (24 hr format, no colon. E.g. 11:30pm = 2330. 8.30am = 0830. Card ID = Prox ID number (fixed 10 digits) Name = Name of cardholder (optional) (max 6 characters)	N/A	Original
9999#64CardID#	Delete known prox card/tag ID. CardID = Prox ID number (fixed 10 digits)	N/A	Original
9999#64*#	Delete all prox card/tag IDs.	N/A	Original
	Caller ID		
9999#72Phonenumber#	Store permanent caller ID number (maximum 14 digits long, 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). Day = day of the week e.g. mon,tue,wed,thur,fri. Time1 = start time. Time2 = end time (24 hr format, no colon. E.g. 11:30pm = 2330. 8.30am = 0830.	N/A	Original
9999#73Phonenumber#	Delete known caller ID number.	N/A	Original
9999#73*#	Delete all caller ID numbers.	N/A	Original
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#	KPN Caller ID fix feature. X = 0 or 1 (0 = Disable, 1 = Enable) 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

SMS String	Description	Default	Firmware Version
	Keypad Programming		
9999#81XCode#Time#Name#	Store permanent keypad code (maximum of 250 codes). X = 1-8 for relay 1-8. Code = 4 digit passcode Time = 1-9999 seconds, or 0 for latching code. Name = Name of cardholder (optional) (max 6 characters).	N/A	Original
9999#82X#Hours#Code#	Store temporary keypad code (maximum of 50 codes). X = 1-8 for relay 1-8. Hours = time to expire in hours (1-168 hours) Code = 4 digit passcode	N/A	Original
9999#83X#Day,Day,Day#Time1,Time2#Code#Name#	Store time restricted keypad code (maximum of 250 time slots). X = 1-8 for relay 1-8. Day = day of the week e.g. mon,tue,wed,thur,fri. Time1 = start time. Time2 = end time (24 hr format, no colon. E.g. 11:30pm = 2330. 8.30am = 0830. Code = 4 digit passcode Name = Name of cardholder (optional) (max 6 characters).	N/A	Original
9999#84Code#	Delete known keypad code. Code = 4 digit passcode to be deleted.	N/A	Original
9999#84*#	Delete all keypad codes.	N/A	Original

SMS String	Description	Default	Firmware Version
	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). 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#79Text#	Program message the notified number will receive.	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

SMS String	Description	Default	Firmware Version
	Service Calls		
9999#57Days#	Set the time schedule for the intercom to make a scheduled call or SMS to the service number. Days = 0-60 (0 = no call or SMS)	00	Original
9999#58X#	Choose between making a scheduled call or scheduled SMS. X = 0 or 1 (0 = SMS, 1 = Call)	0	Original
9999#77Phonenumber#	Store a service number to receive a scheduled call or SMS from the unit. Useful for SIM cards which are not often used to prevent switch off by the network provider.	N/A	Original
9999#77*#	Delete the stored service number	N/A	Original

SMS String	Description	Default	Firmware Version
	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)	0	Original
9999#66X#	Set Universal Time Clock (UTC) (for use with NTP server time synchronisation method) e.g. 9999#661# for BST or 9999#66-5# for ET	N/A	Original
9999#96X#	Adjust timestamp manuall to account for local time differences. (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 (After this send code *20# to check time)	0	Original

SMS String	Description	Default	Firmware Version
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: 1. Short the PB terminals on the PCB before turning unit on. 2. Upon power up, a long tone will be emitted from the speaker and the blue LED will remain solid - it is now in the APN setting mode. 3. 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) 4. Reboot unit. Note: List of the most common network APN's with associated keypad reference can be found on our resource page at aesglobalonline.com	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 **(V1.2.0 upgrade)**
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#27X#	Events Log Customise X = 5-50 (e.g. 9999#2710# for 10 events in reply message).	20	Original
9999#28X#	Change SMS type. X = 1 or 2 (1 = IMS; 2 = NAS)	1	V1.2.0
Information			
*10#	Check Stored Technical Information	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
*21#	Check Stored Numbers. I = dial in number. (N = Next Message to follow; E = end of messages)	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. R1-8 = relay 1-8 triggered (code or prox card/tag only).	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
*29#	Check Auxiliary Unit(s) Relay Status.	N/A	Original
*40#	Check Push To Exit Time Limits	N/A	V1.1.7
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 **(V1.1.7 upgrade)**
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 **(V1.1.7 upgrade)**
*97#	Check MBN list.	N/A	V1.1.6
*98#	Check NTP server and Google ping status.	N/A	V1.1.6
Restore Defaults			
9999#999#	Send with passcode string to clear all programming.	N/A	Original