

Tesla Roadster Vehicle Display System (VDS)



Screens and Flows

Start-Up Screen Variations

When key is turned to "on" or "start"



Default
Charge Mode



After
charging



Next service:
< 300miles



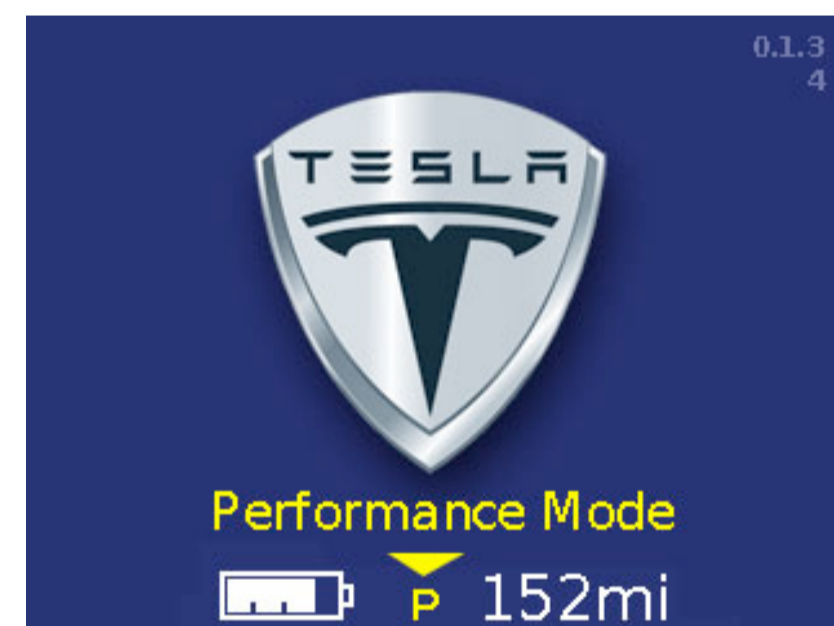
Next service:
< 0 miles



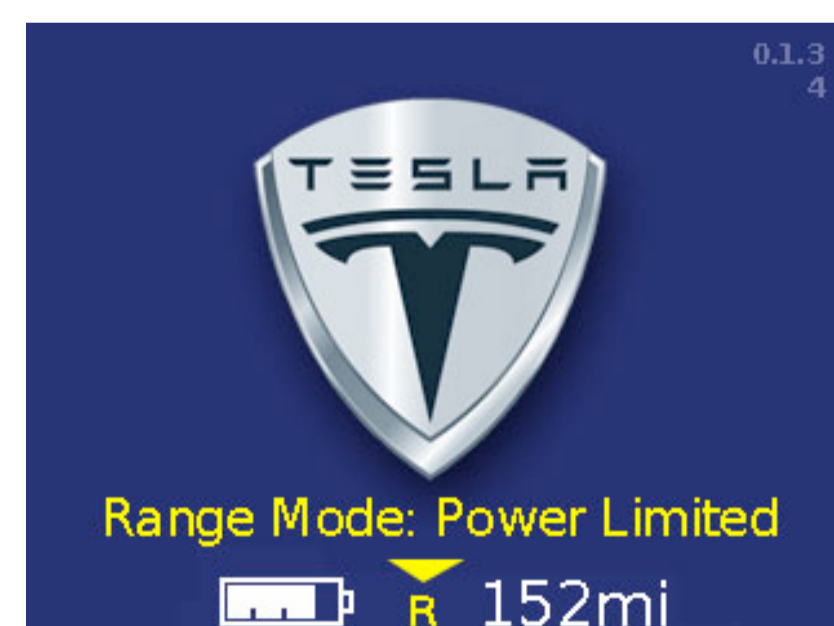
Storage
Charge Mode



Performance
Charge Mode

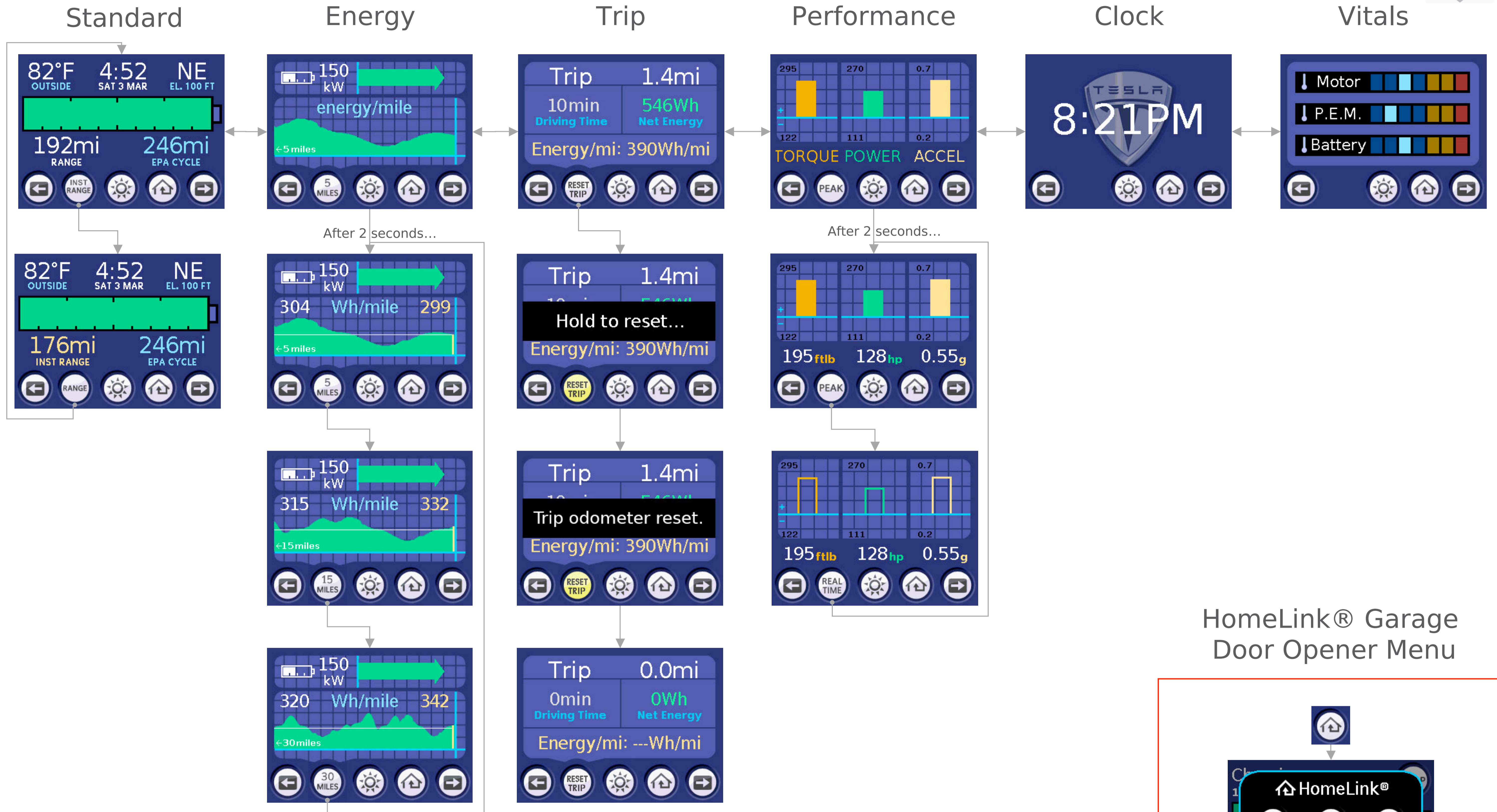


Extended Range
Charge Mode



Driving Screens

Screens available with accessories on, parking brake released and charge port closed



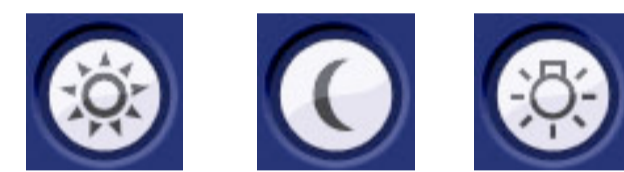
HomeLink® Garage Door Opener Menu



Driving Screen Details



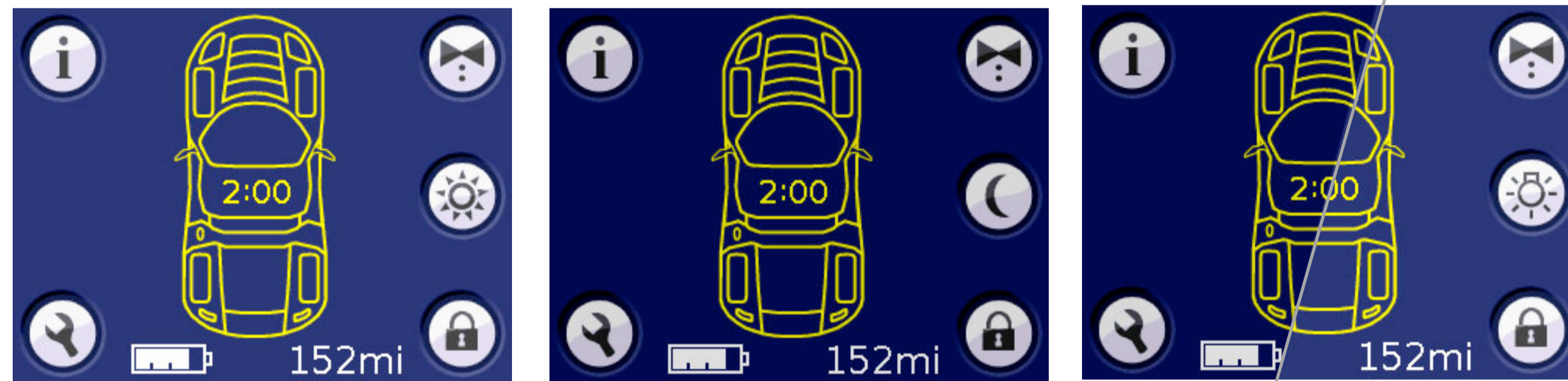
Day/Night/Auto



Day

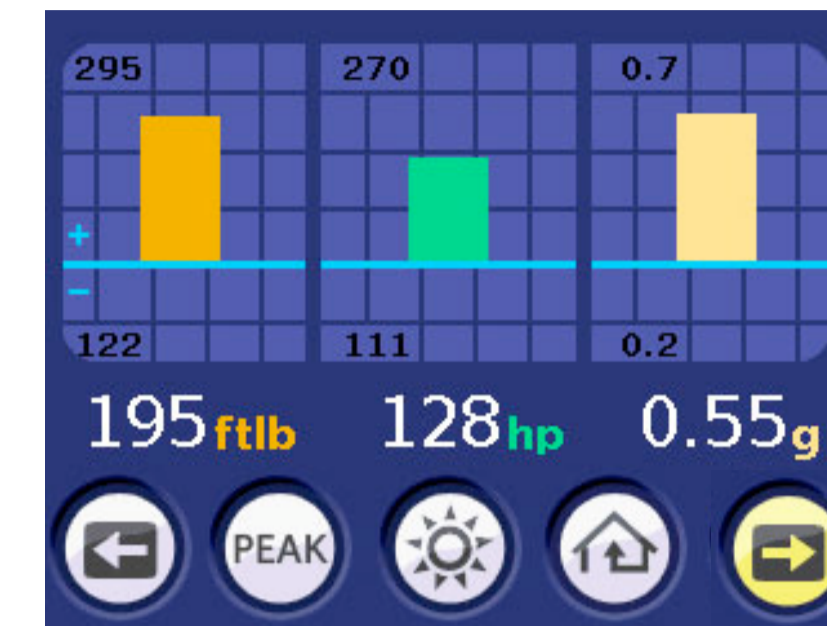
Night

Lights on

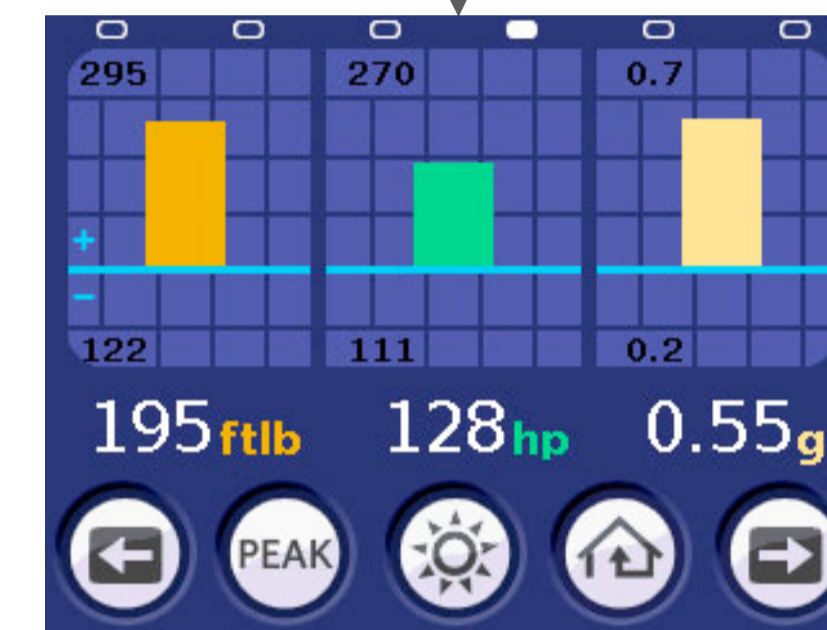


Lights off

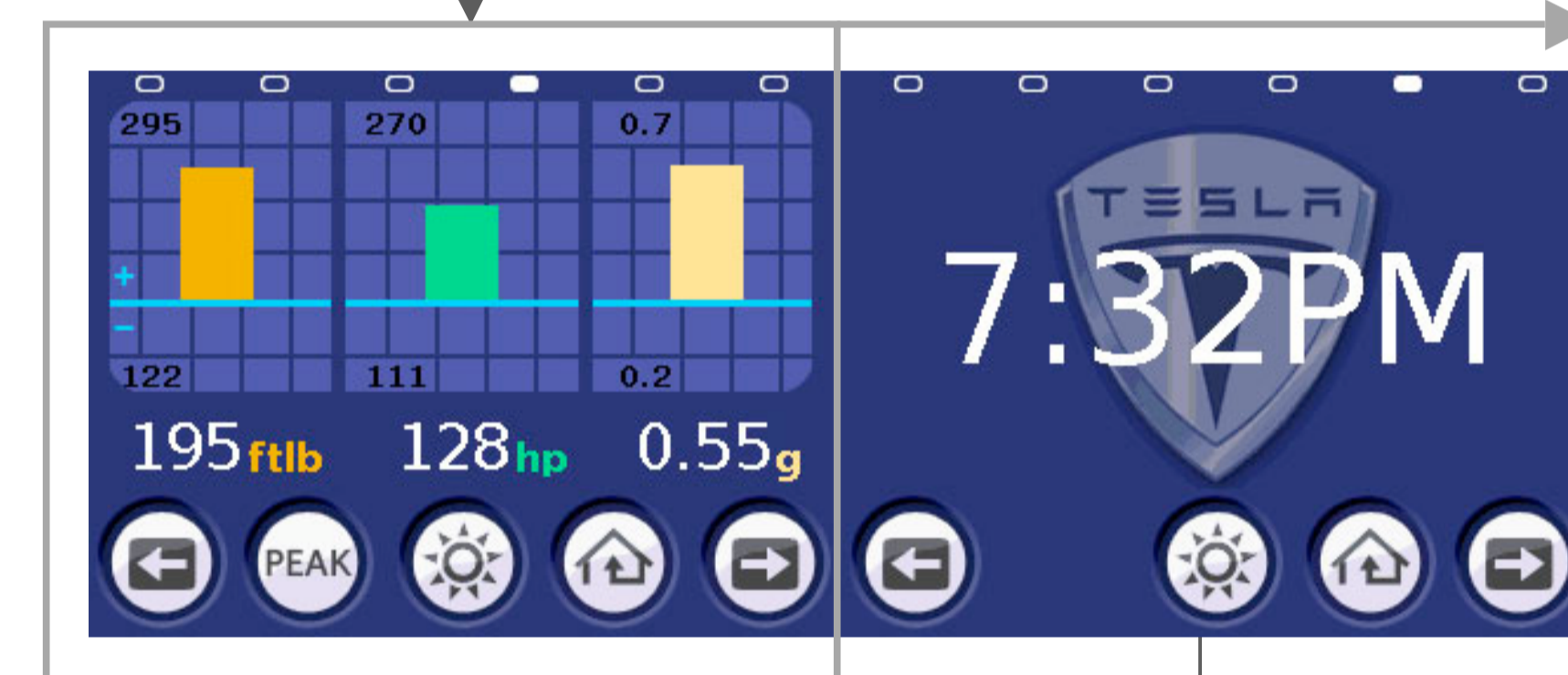
Drive Screen transitions



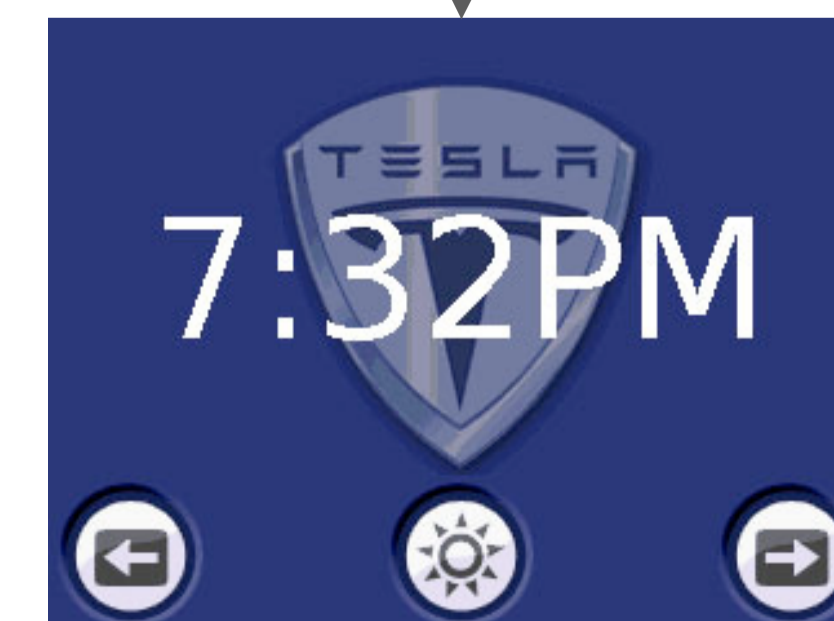
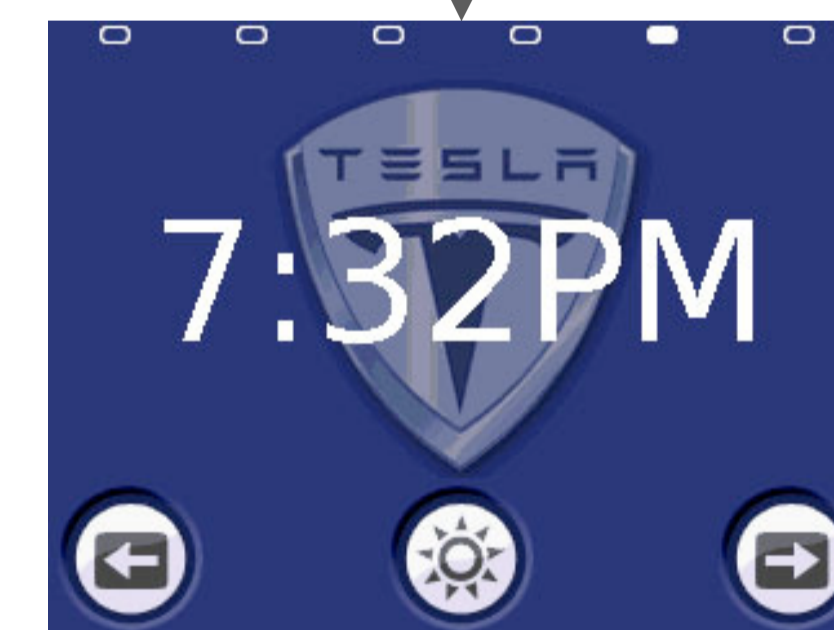
Press " Advance", show Navigational Map



Pan Right; accelerate, then decelerate.

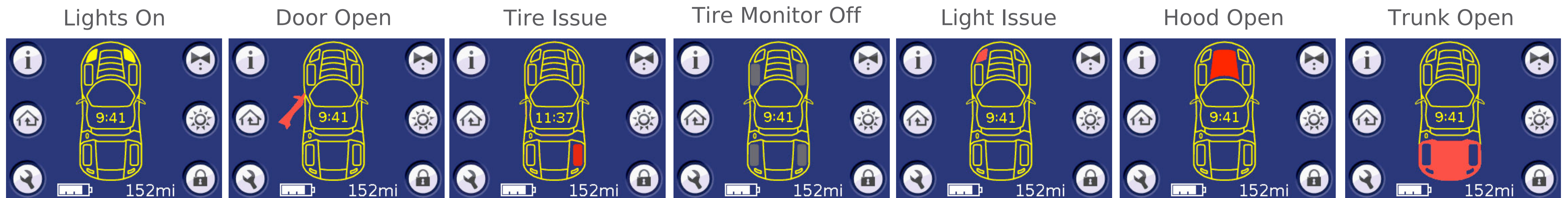
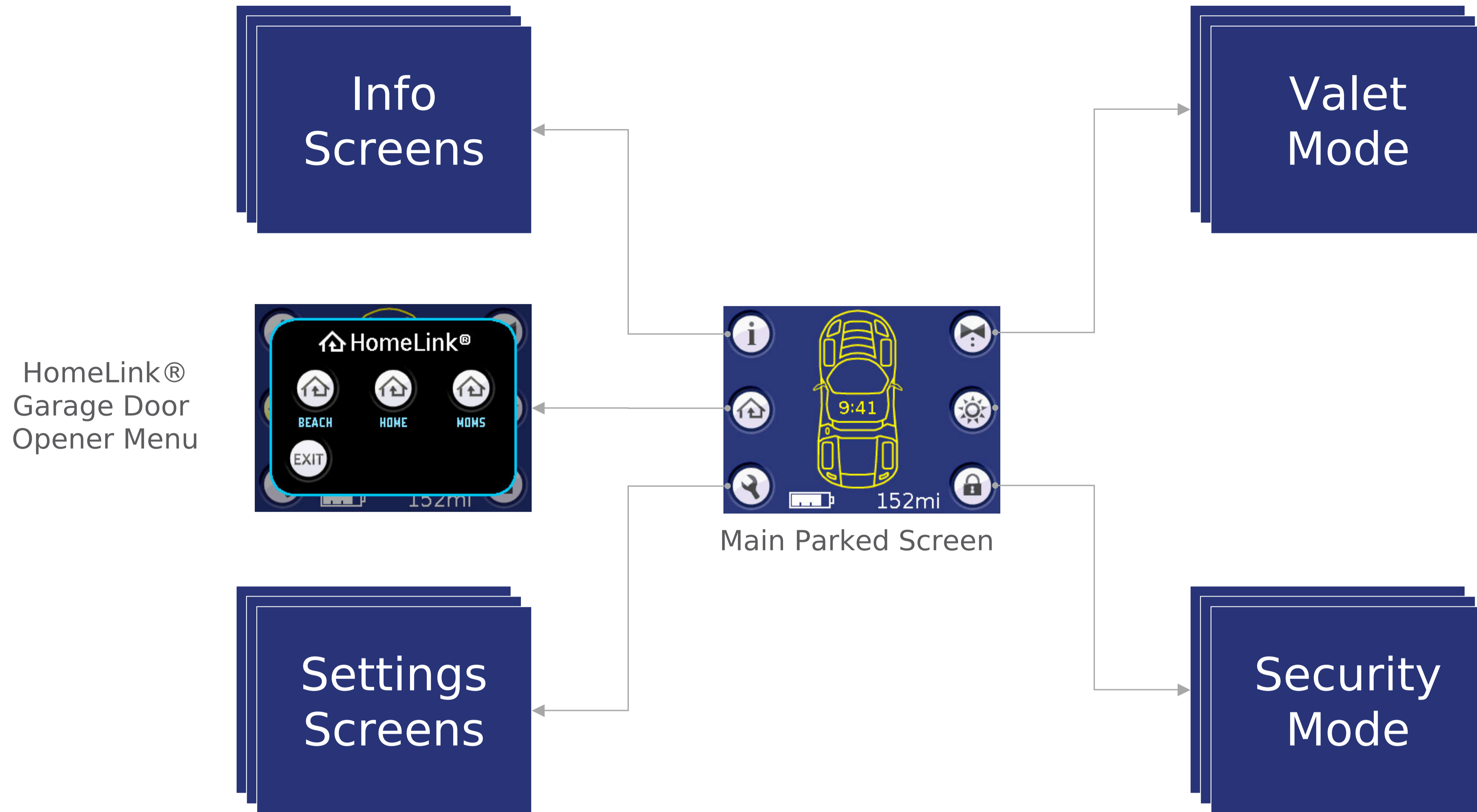


After 2 seconds, hide Navigational Map



Parked Screen Overview

Screens available with accessories on, parking brake pulled, and charge port closed
(Charge Settings screens available with charge port open or closed)



Charging Screen Variations

Screen available with charge port open



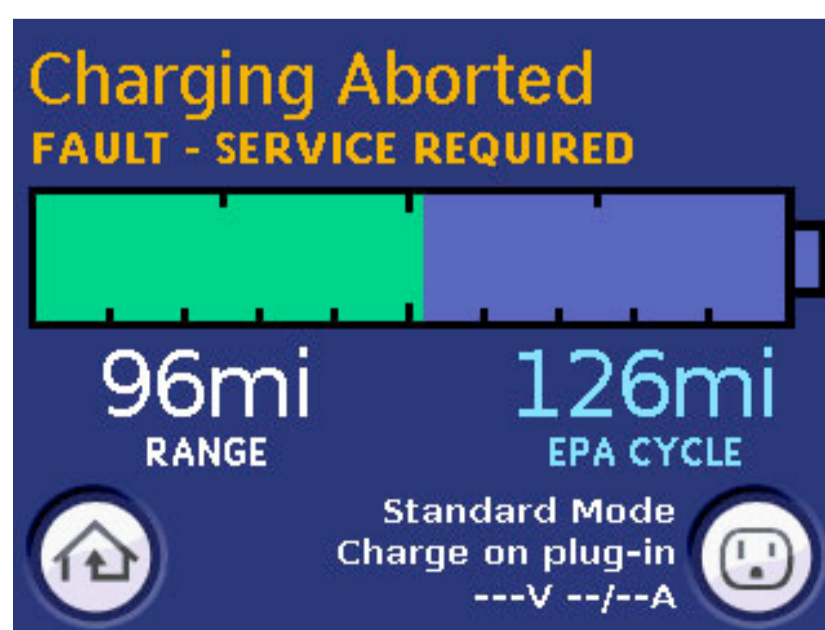
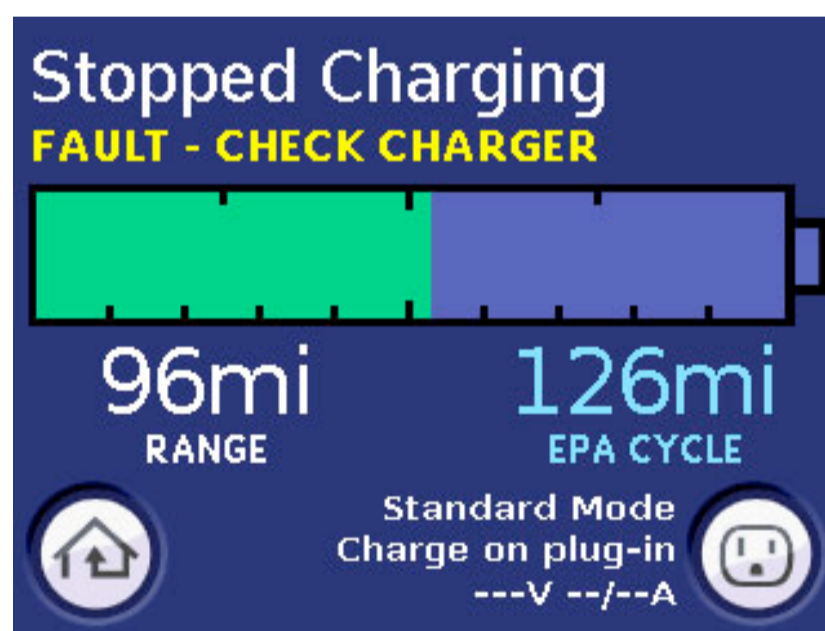
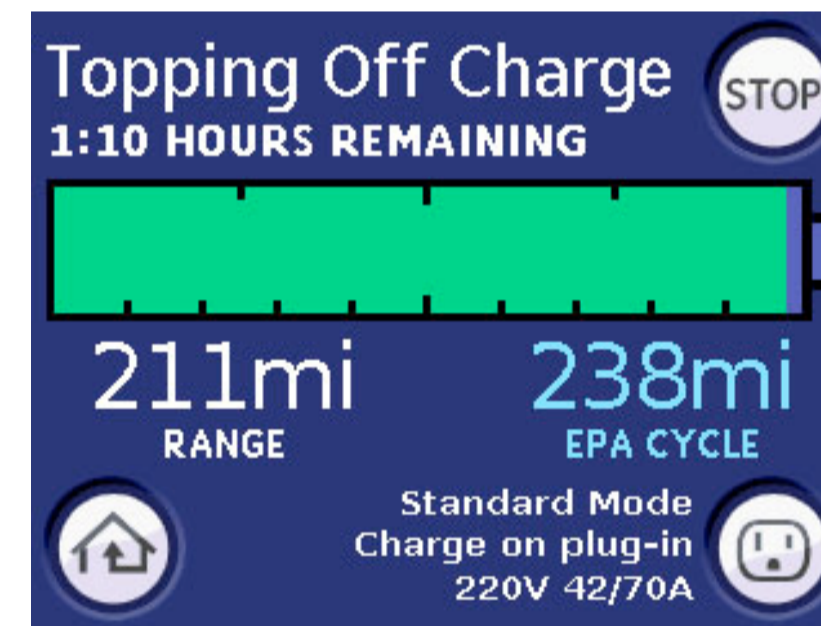
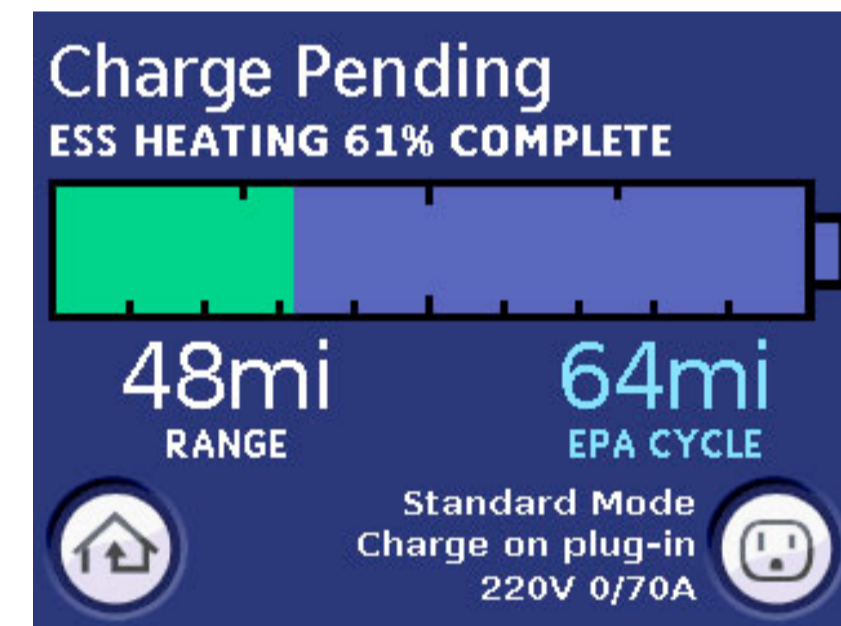
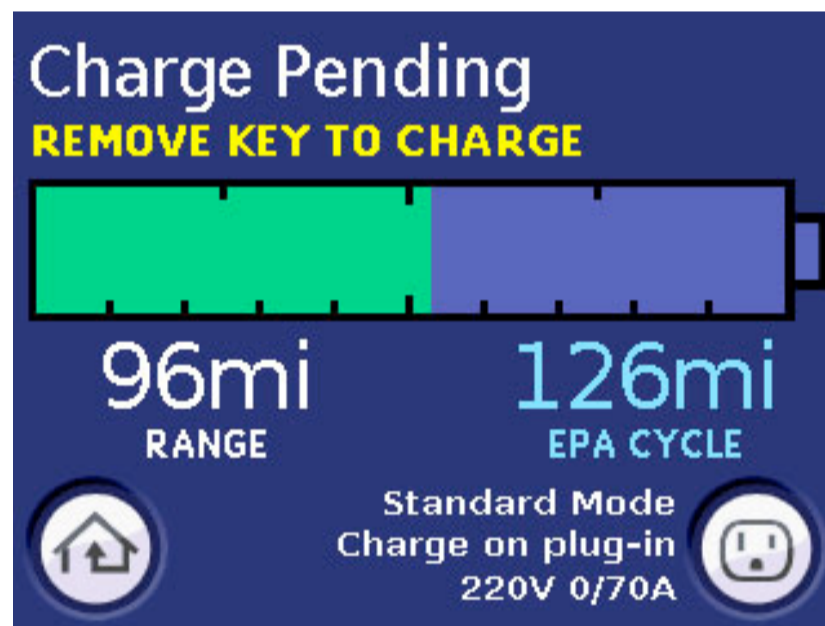
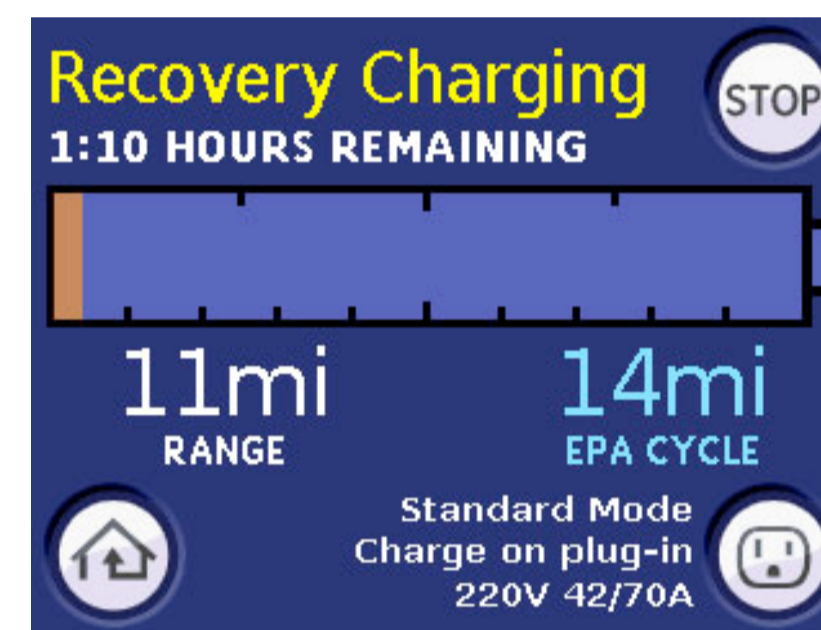
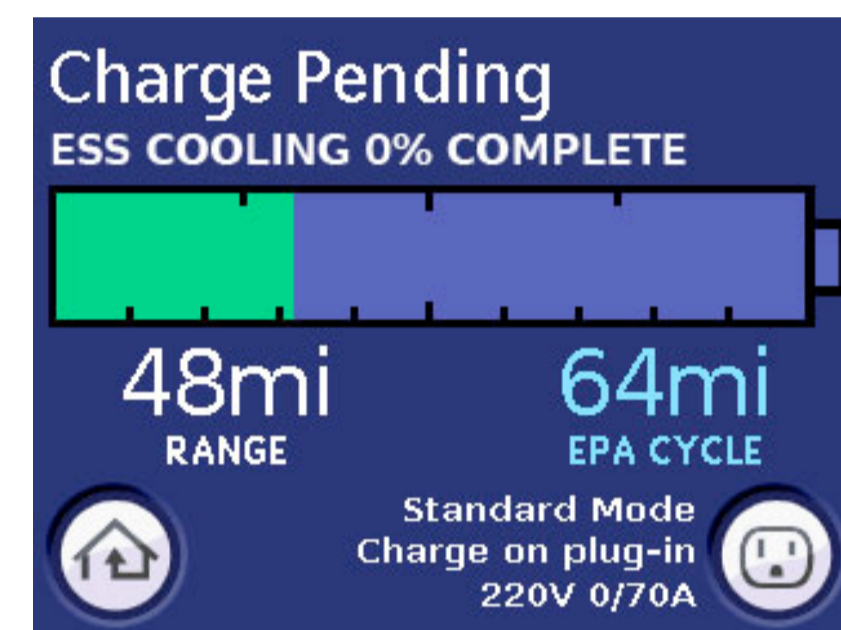
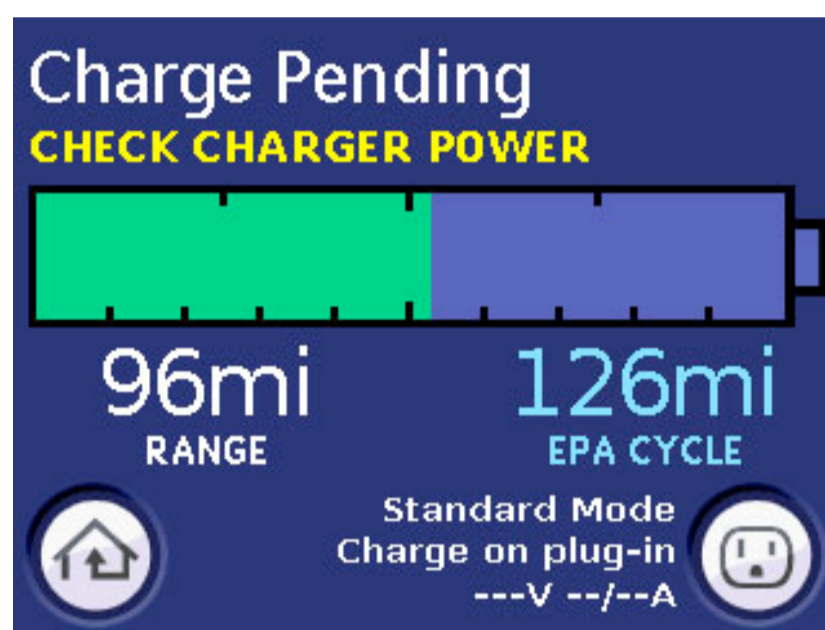
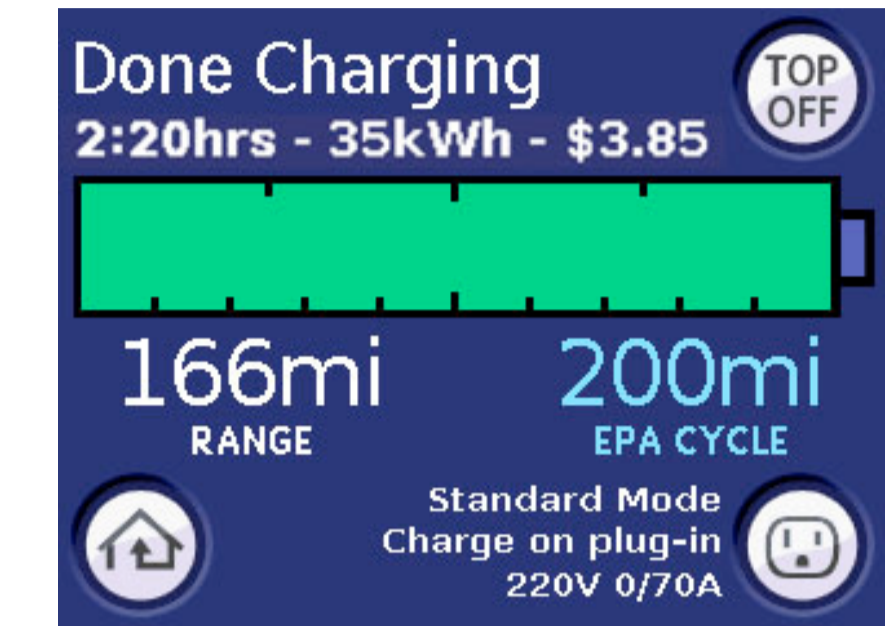
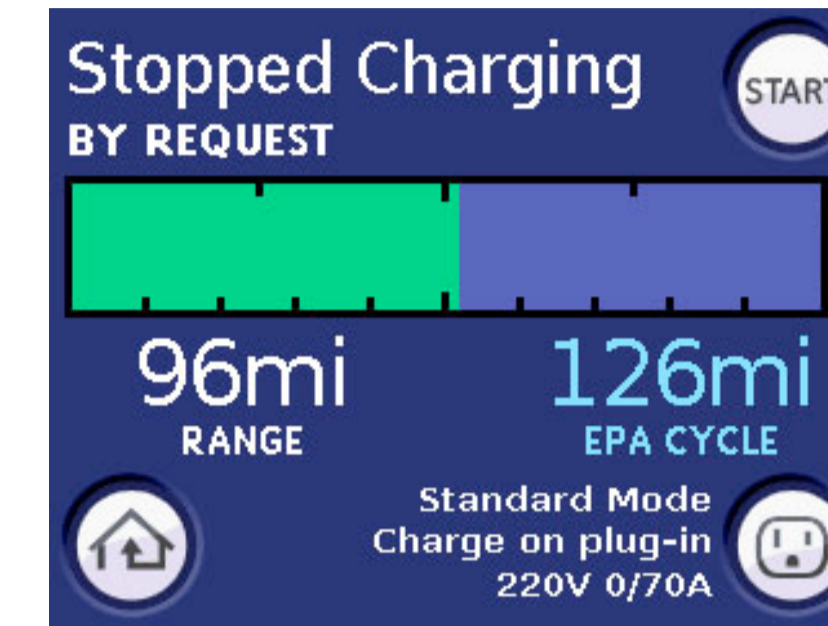
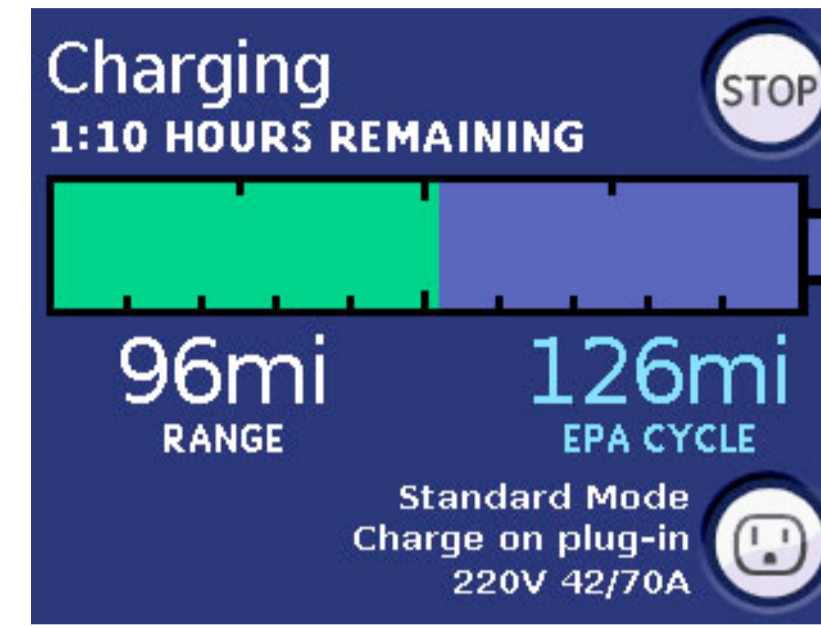
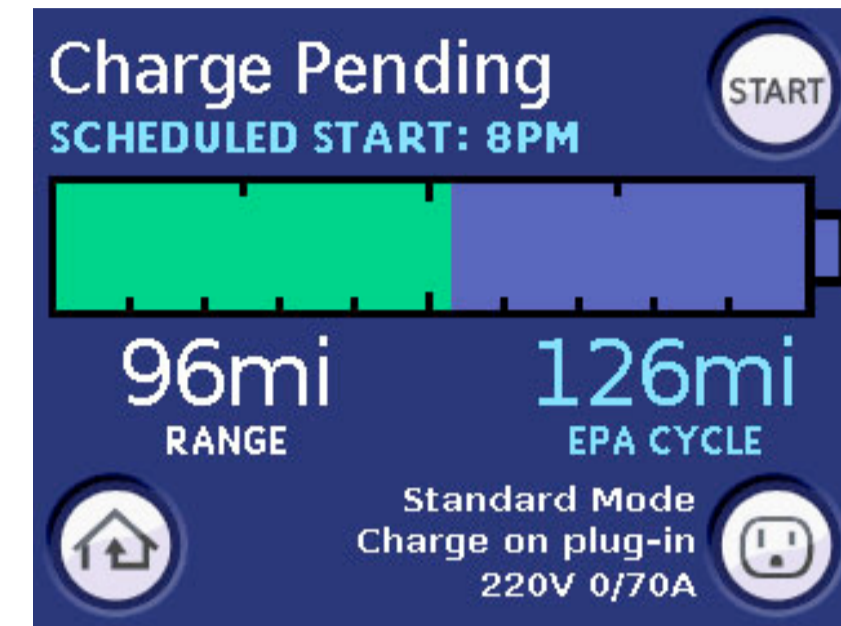
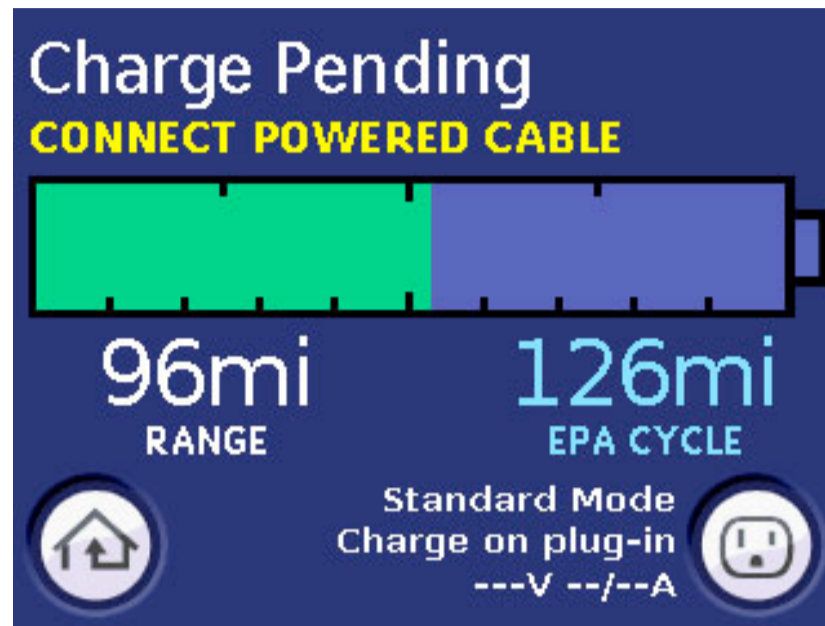
Not charging;
action required

Charge pending;
just wait

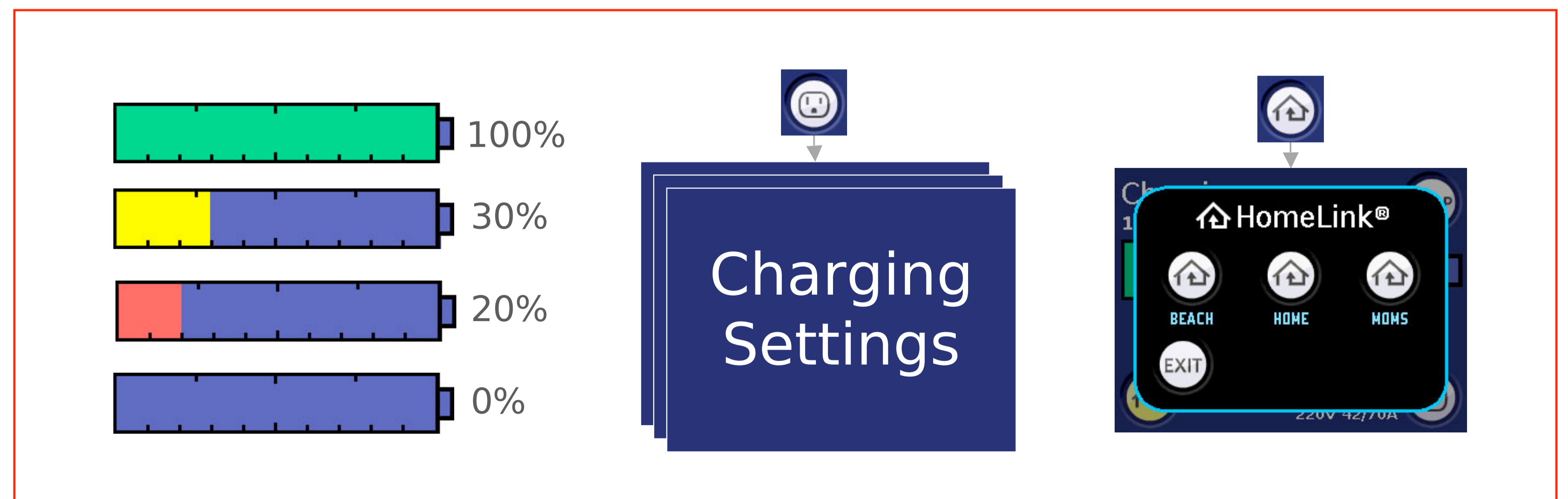
Charging...

Charge stopped
by request

Full charge
completed



HomeLink® Garage Door Opener Menu

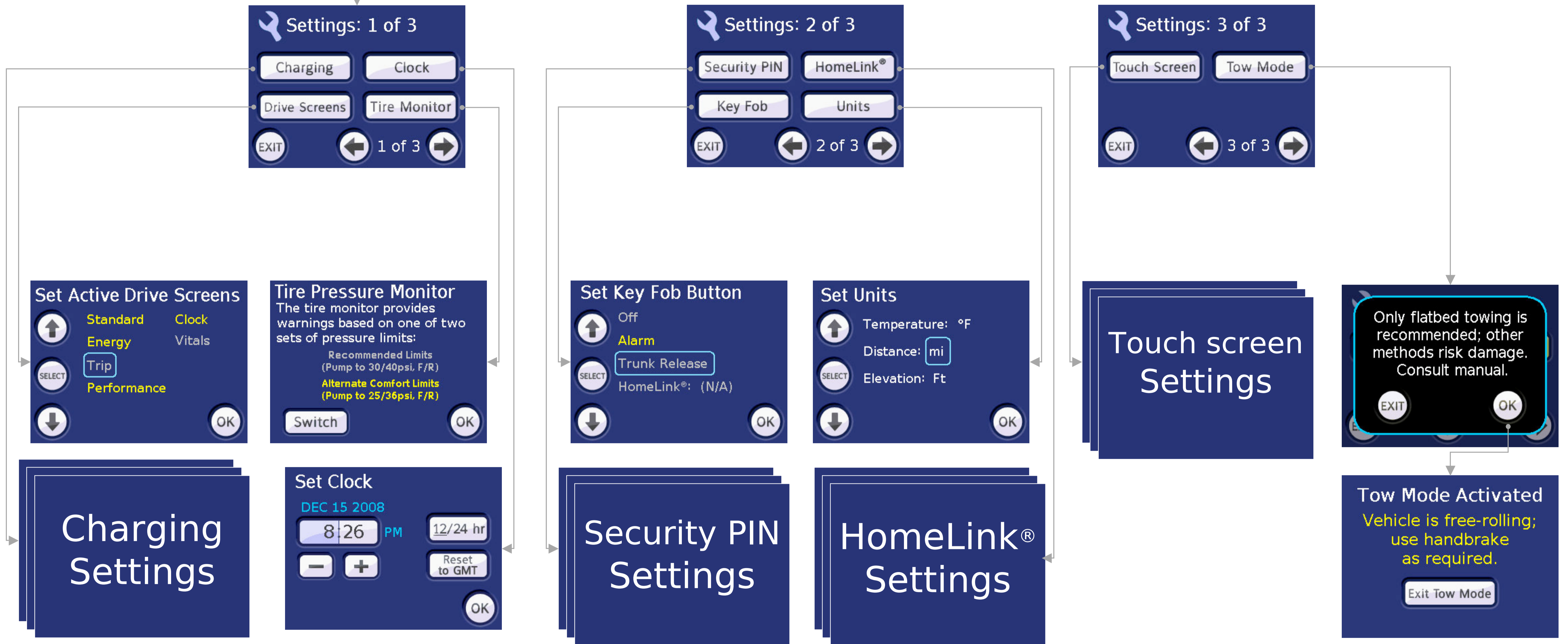


Parked Settings: Overview

Available with accessories on, parking brake pulled, and charge port closed

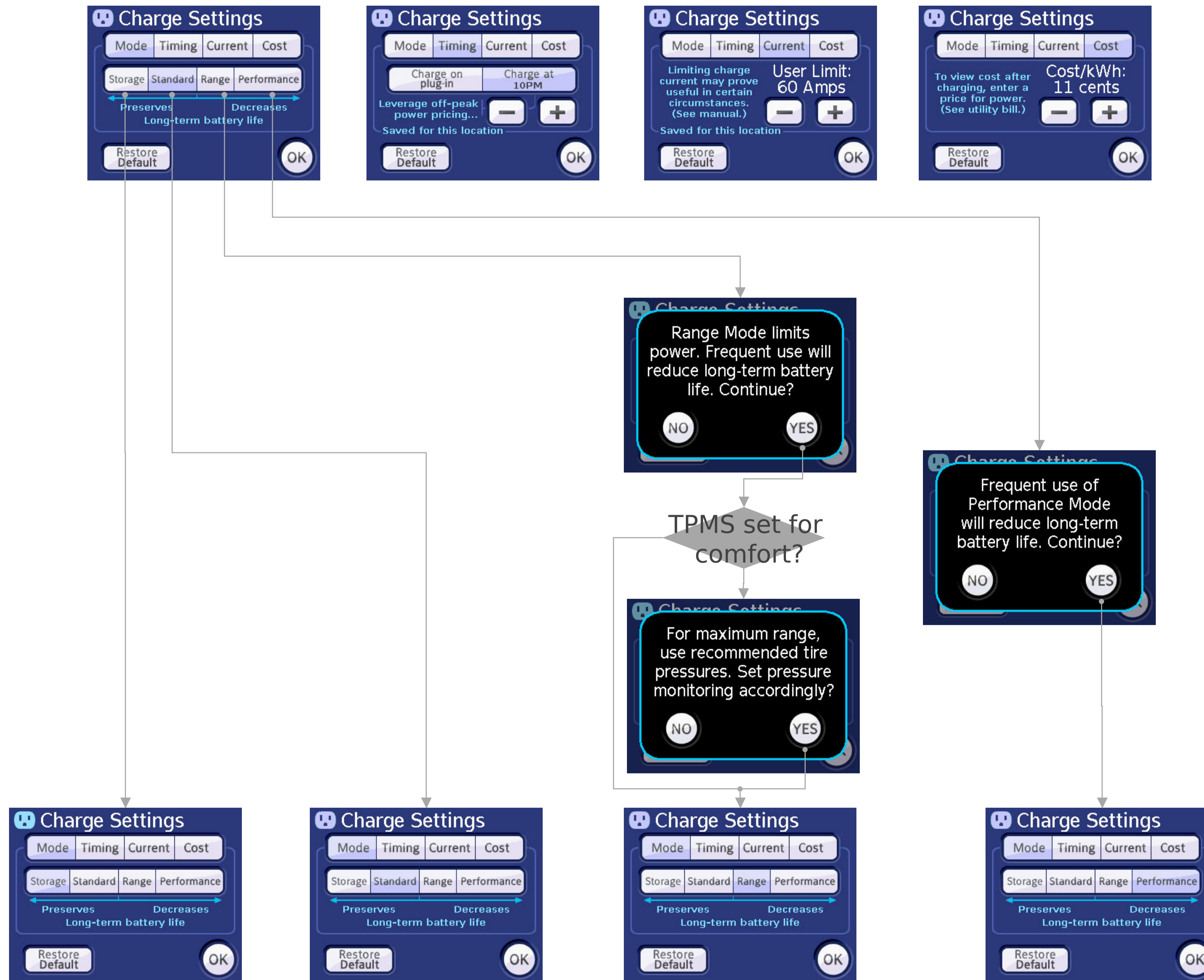


on main parked screen



Parked Settings: Charging

Available with charge port open, or accessories on and parking brake pulled

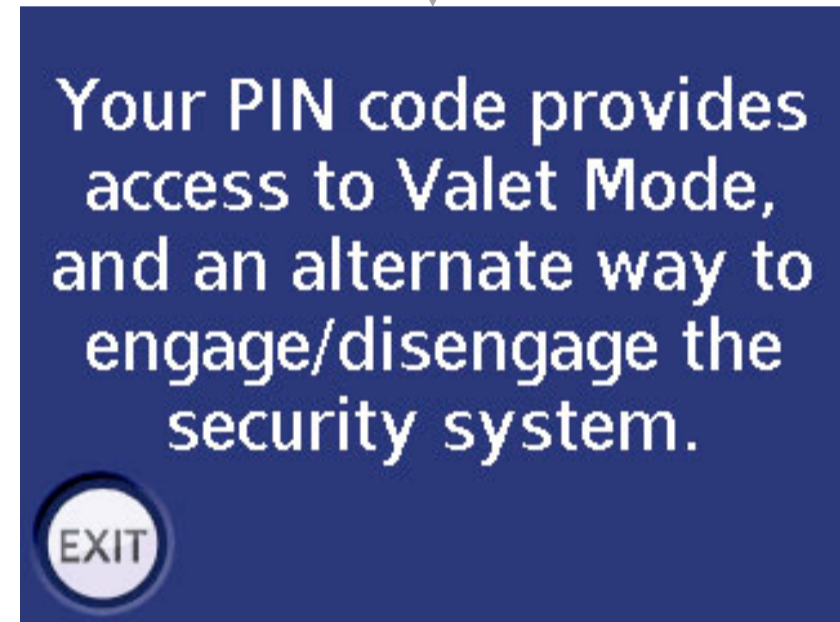
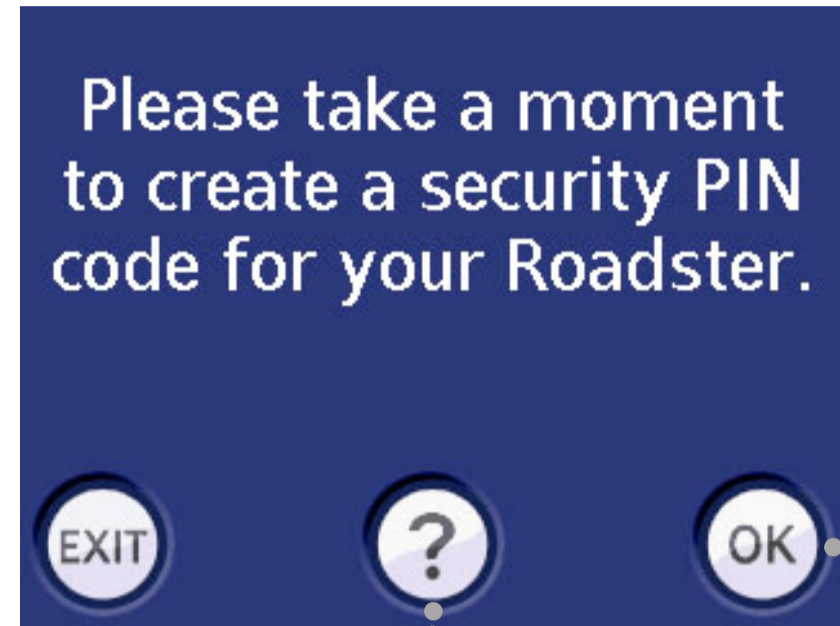


Parked Settings: Security PIN

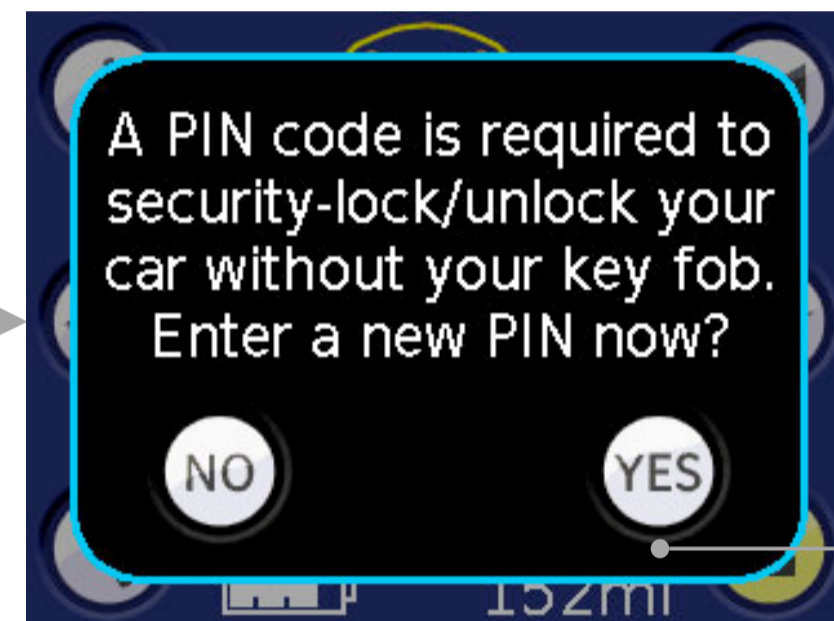
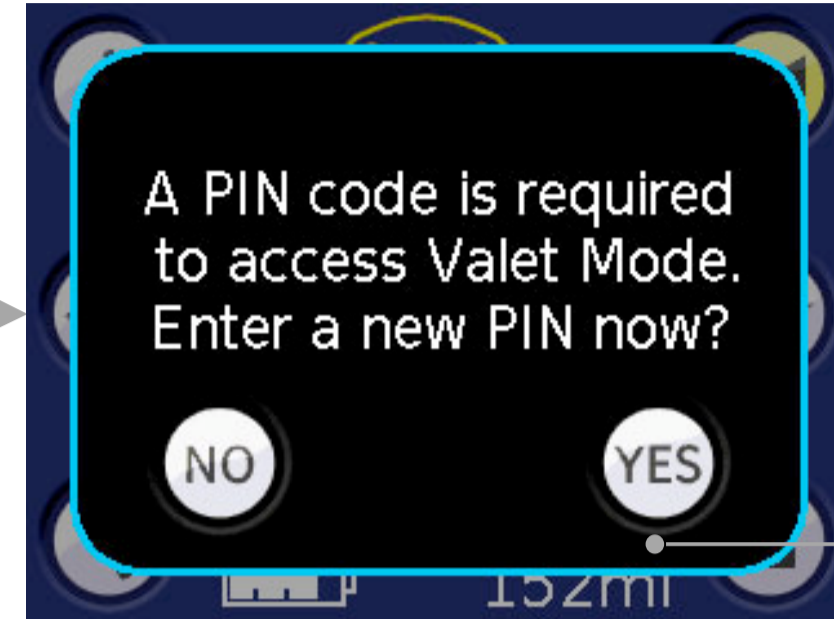
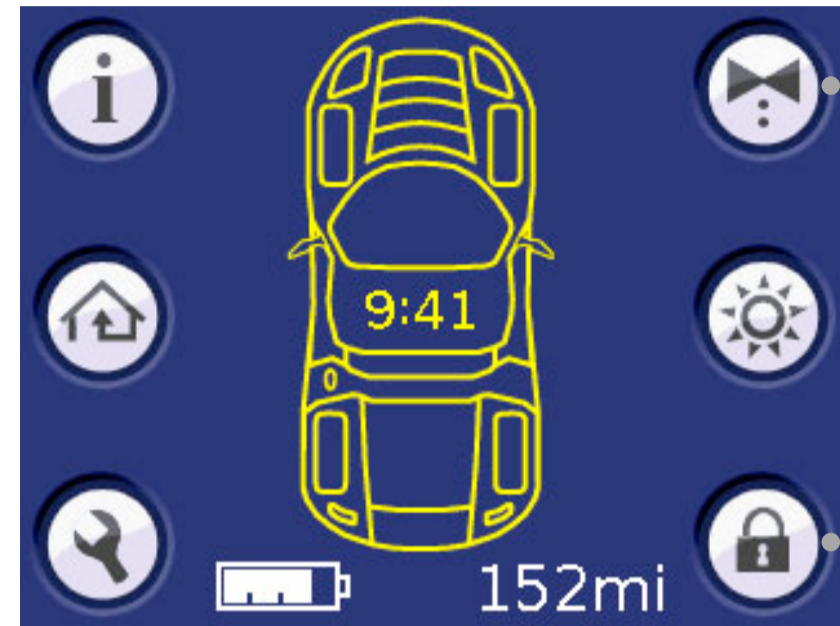
Accessories on, parking brake pulled, and charge port closed



Starting your Roadster with no existing security PIN



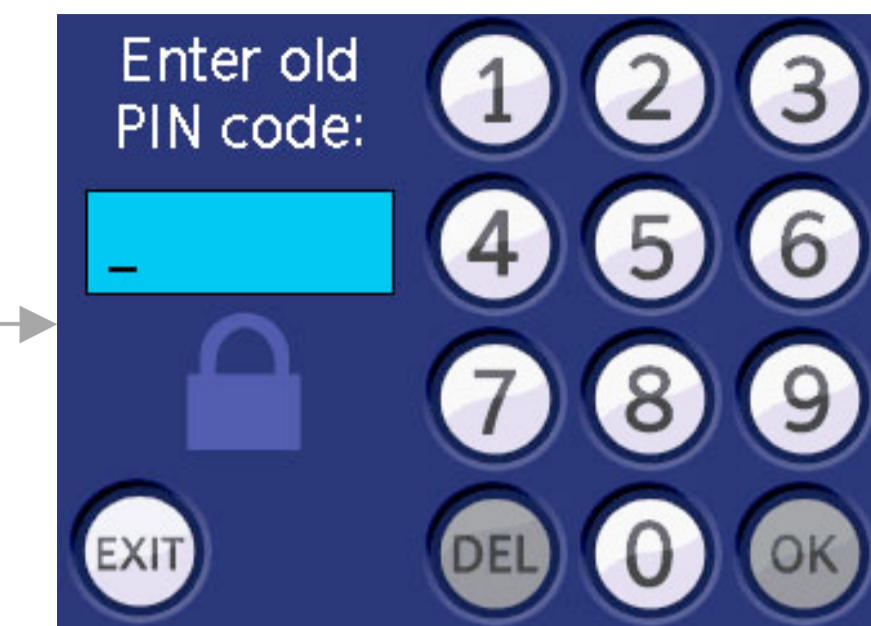
Attempting to access valet and security modes
With no existing PIN



(Re)setting your Roadster's PIN from the settings screen

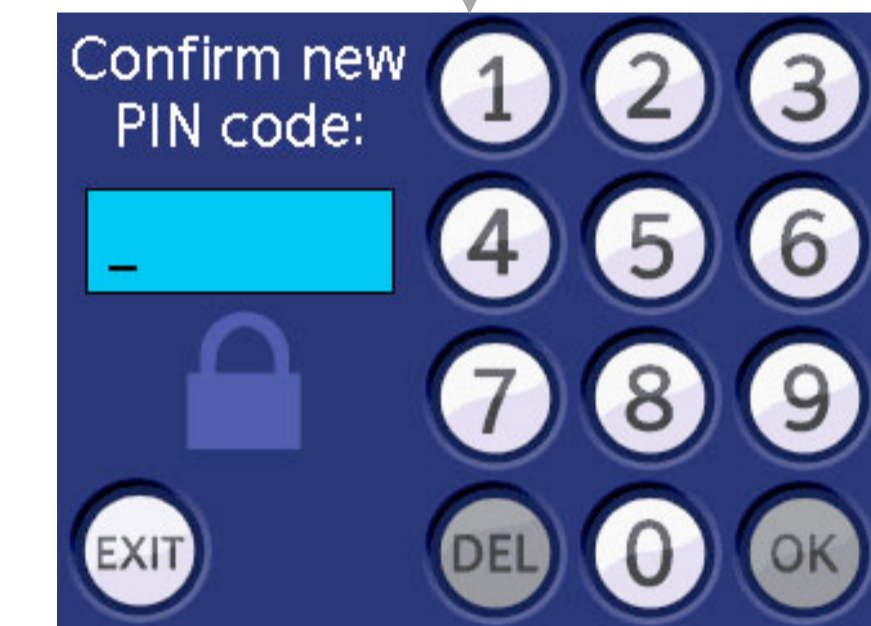
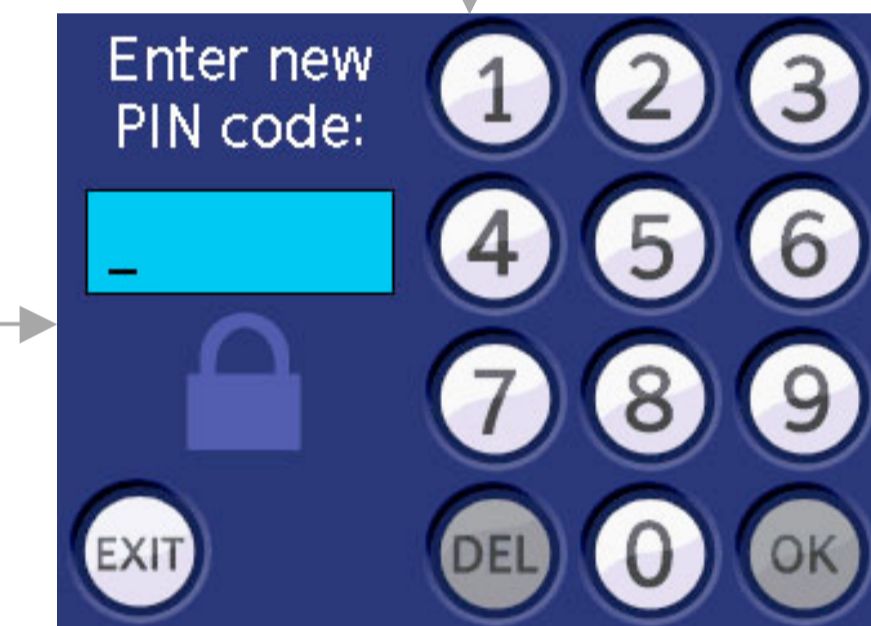
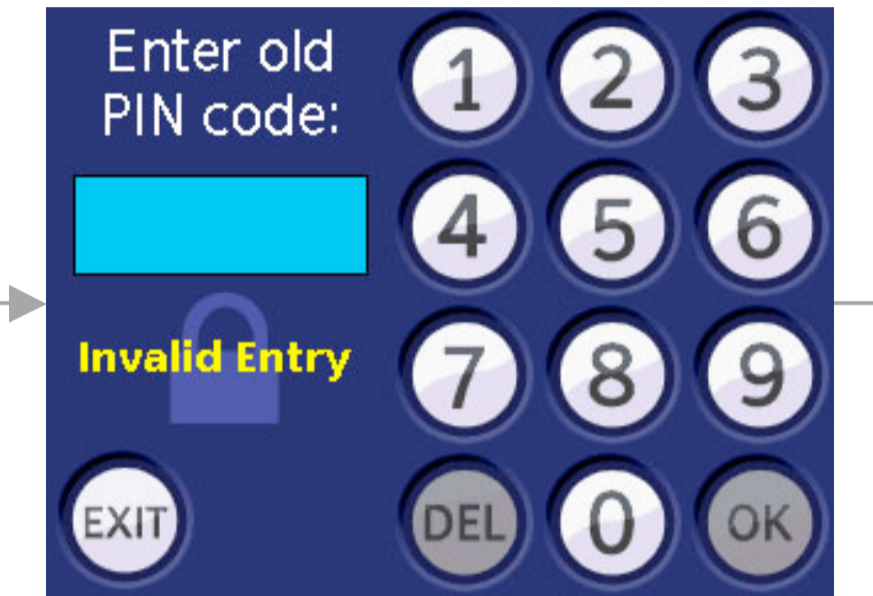


No PIN exists?



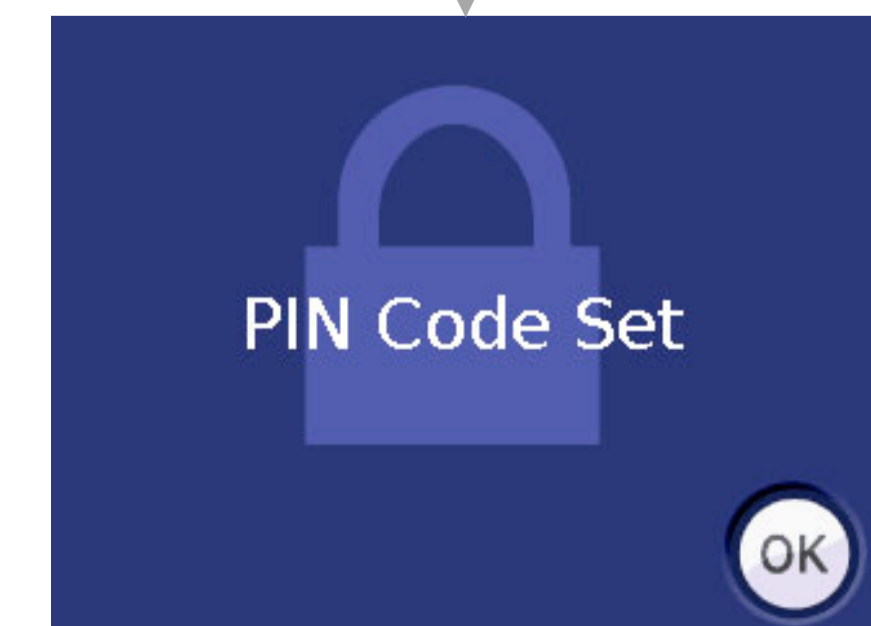
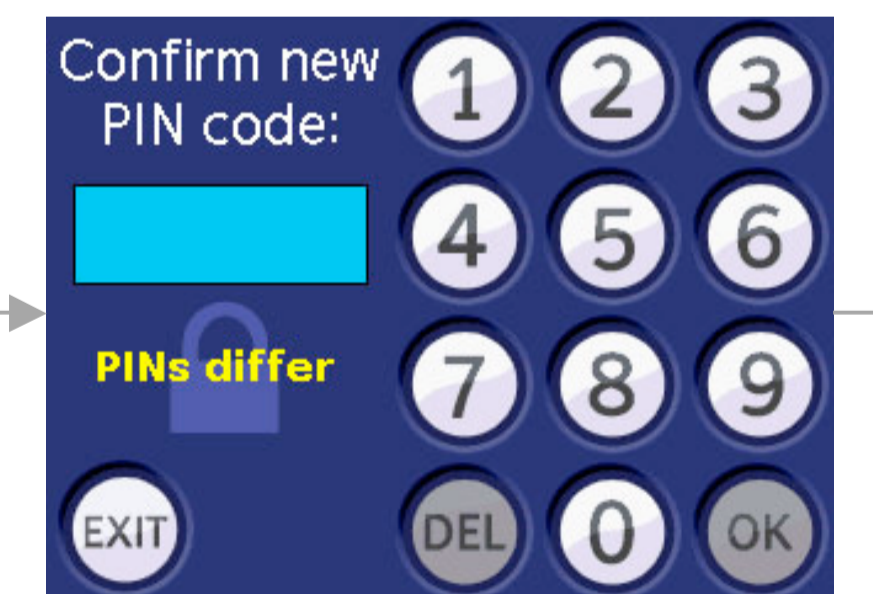
After 2 seconds...

PIN valid?



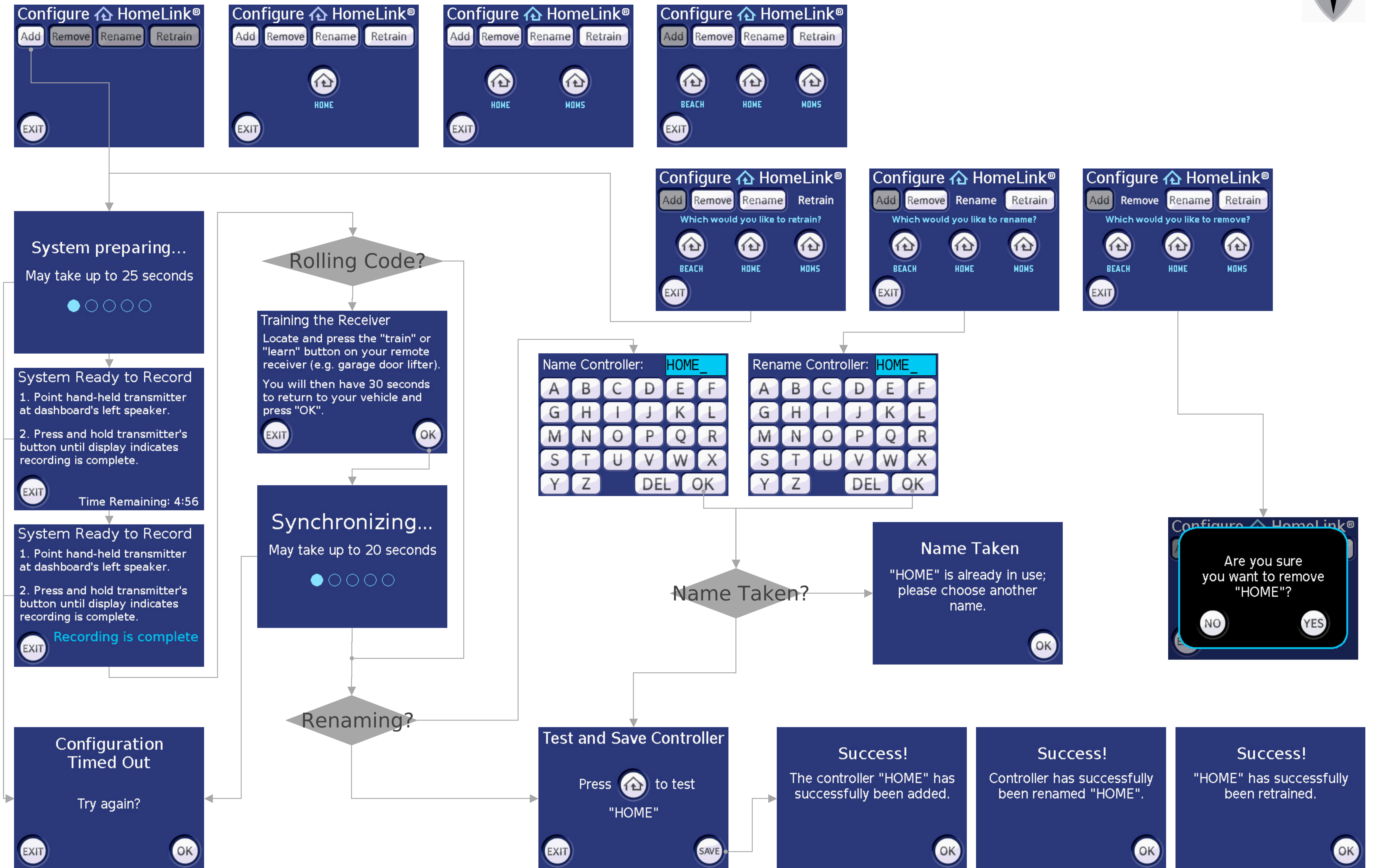
After 2 seconds...

PINs match?



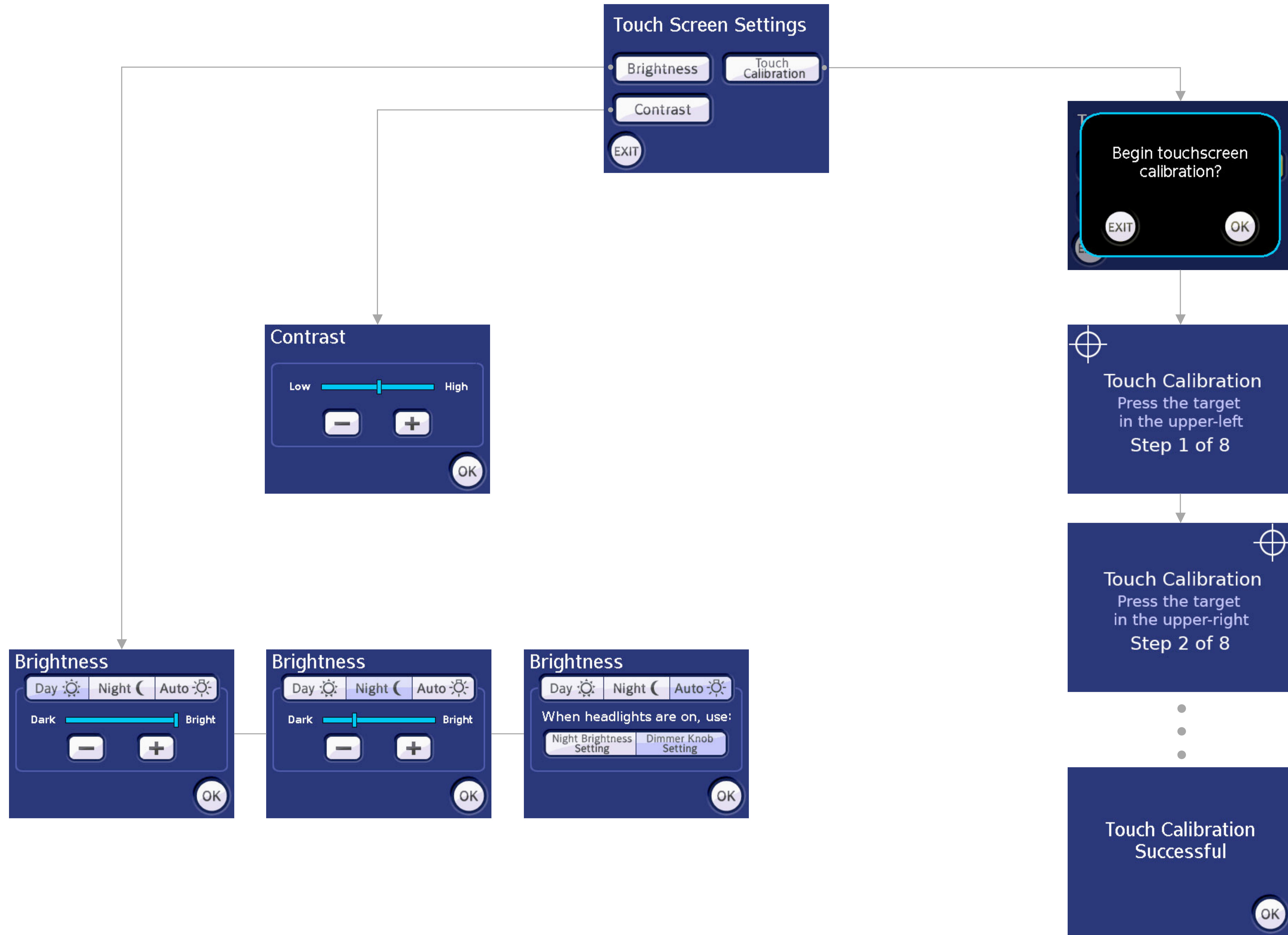
Parked Settings: HomeLink®

Accessories on, parking brake pulled, and charge port closed



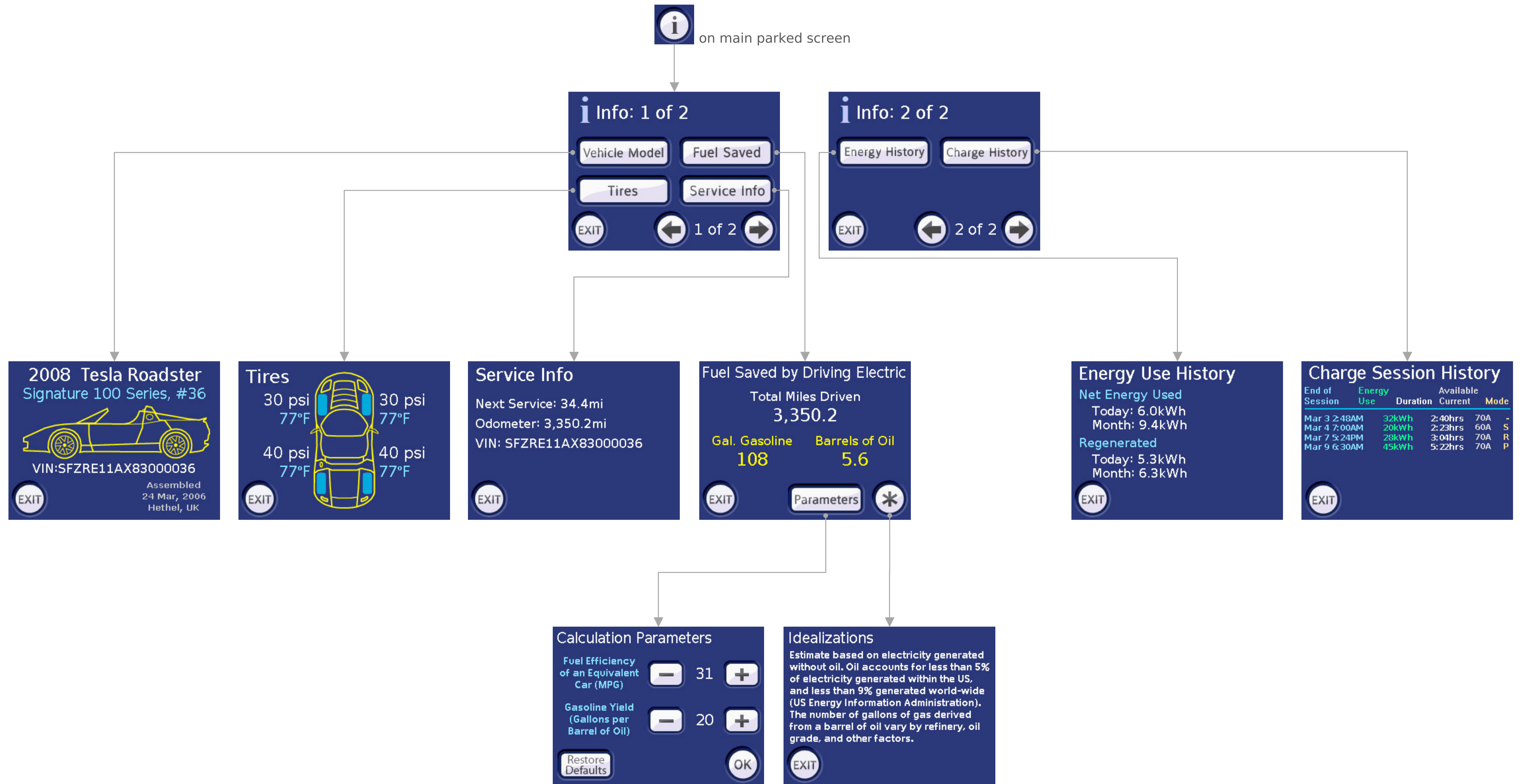
Parked Settings: Touch Screen

Accessories on, parking brake pulled, and charge port closed



Parked: Info Screens

Screens available with accessories on, parking brake pulled, and charge port closed





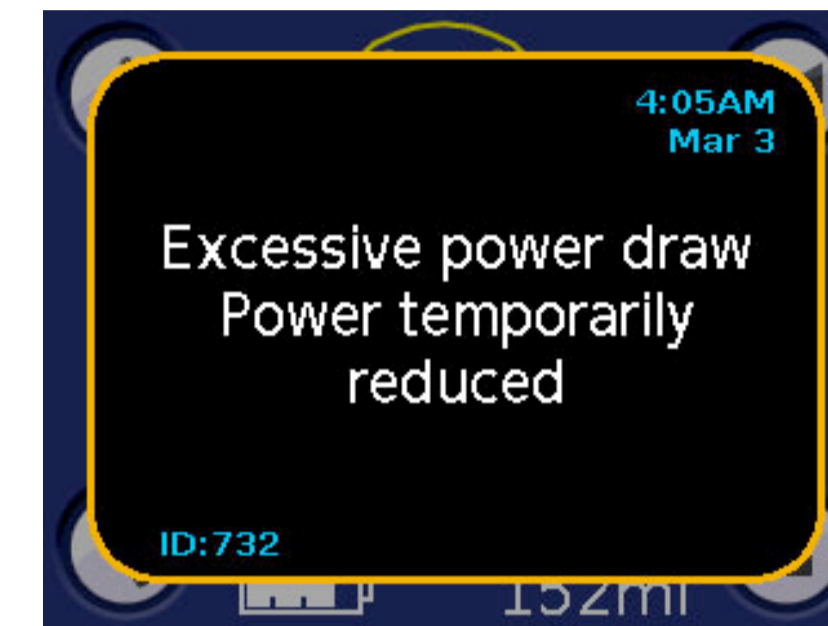
Hint



Warning



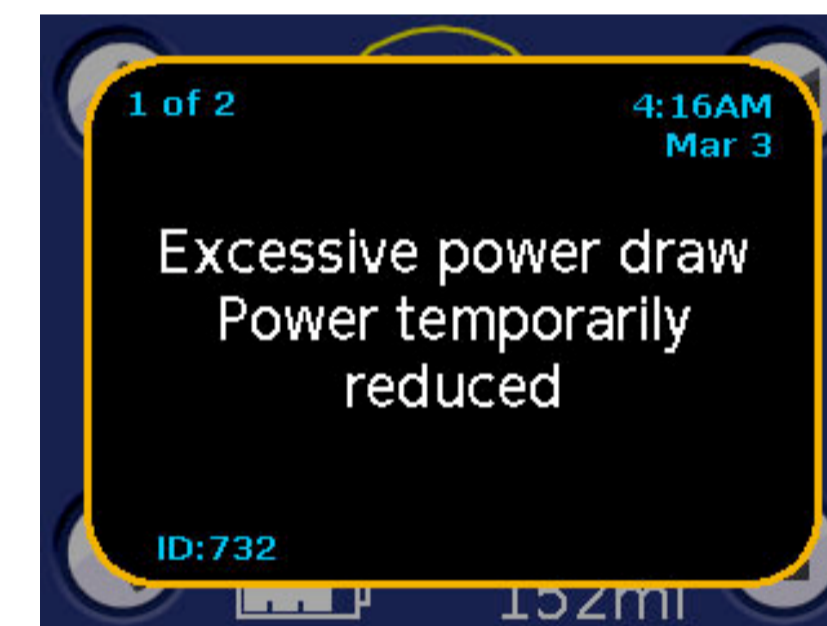
Fault



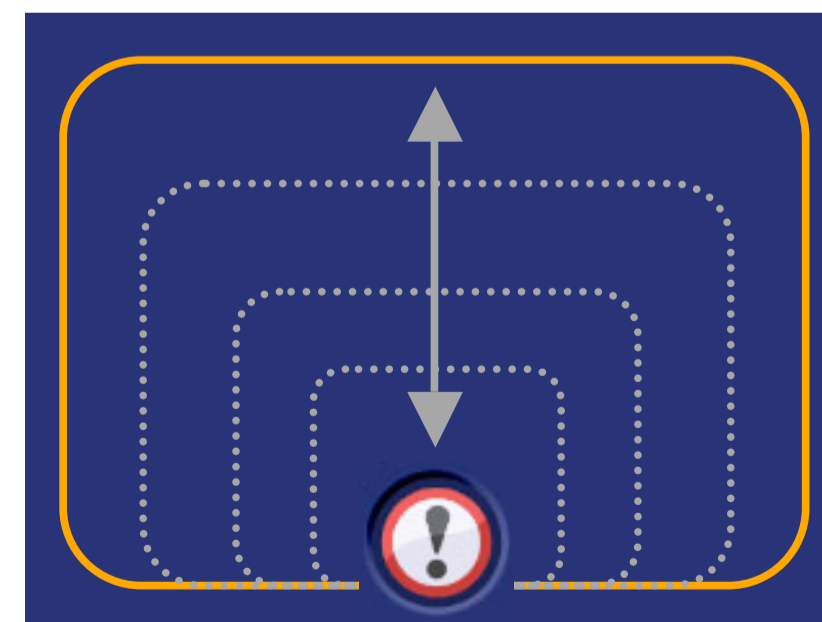
"Press to Dismiss"
displayed after 6 seconds



Multiple alerts stack;
"1 of 2", etc.



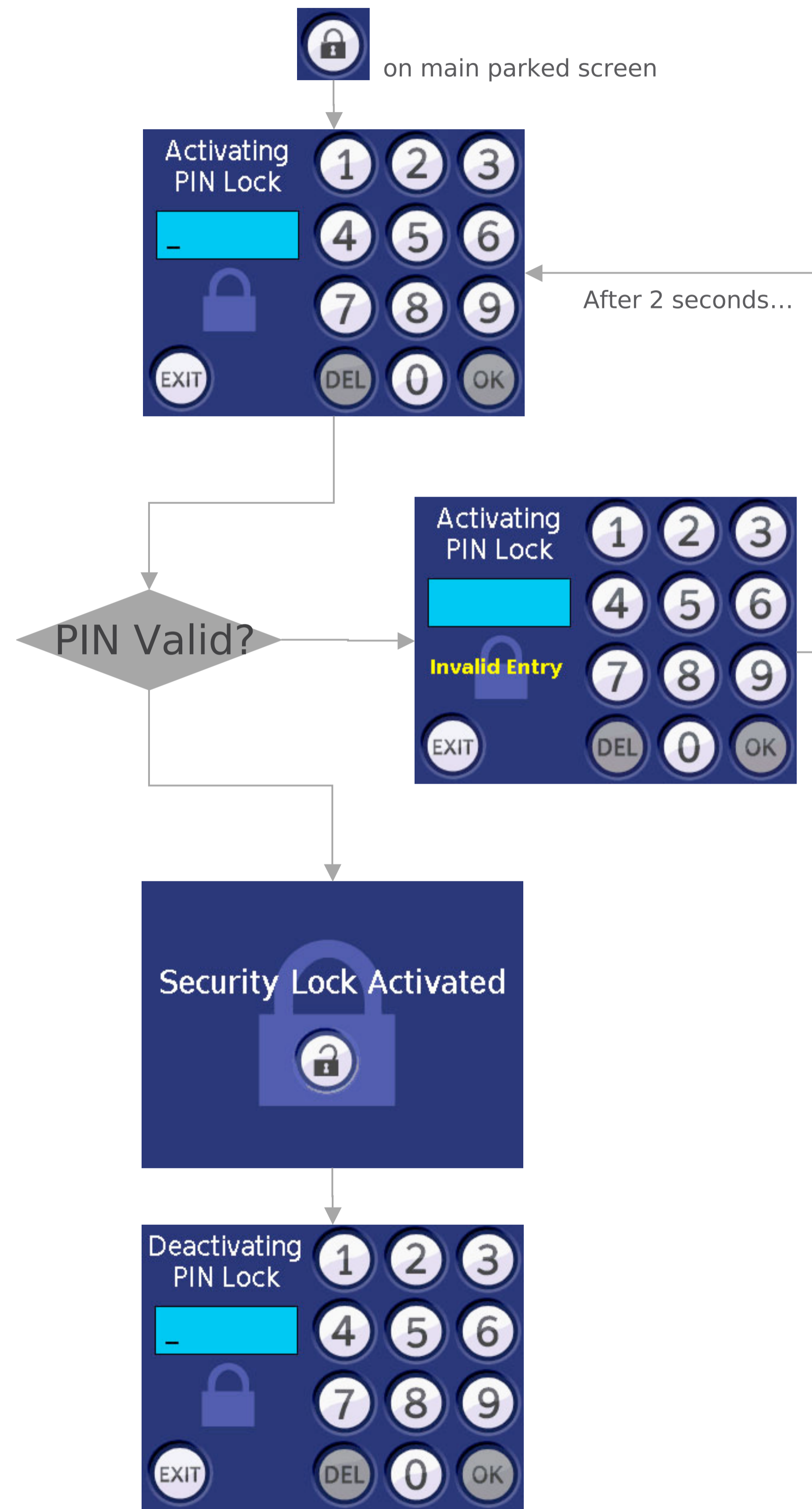
Certain alerts can be
Minimized and maximized



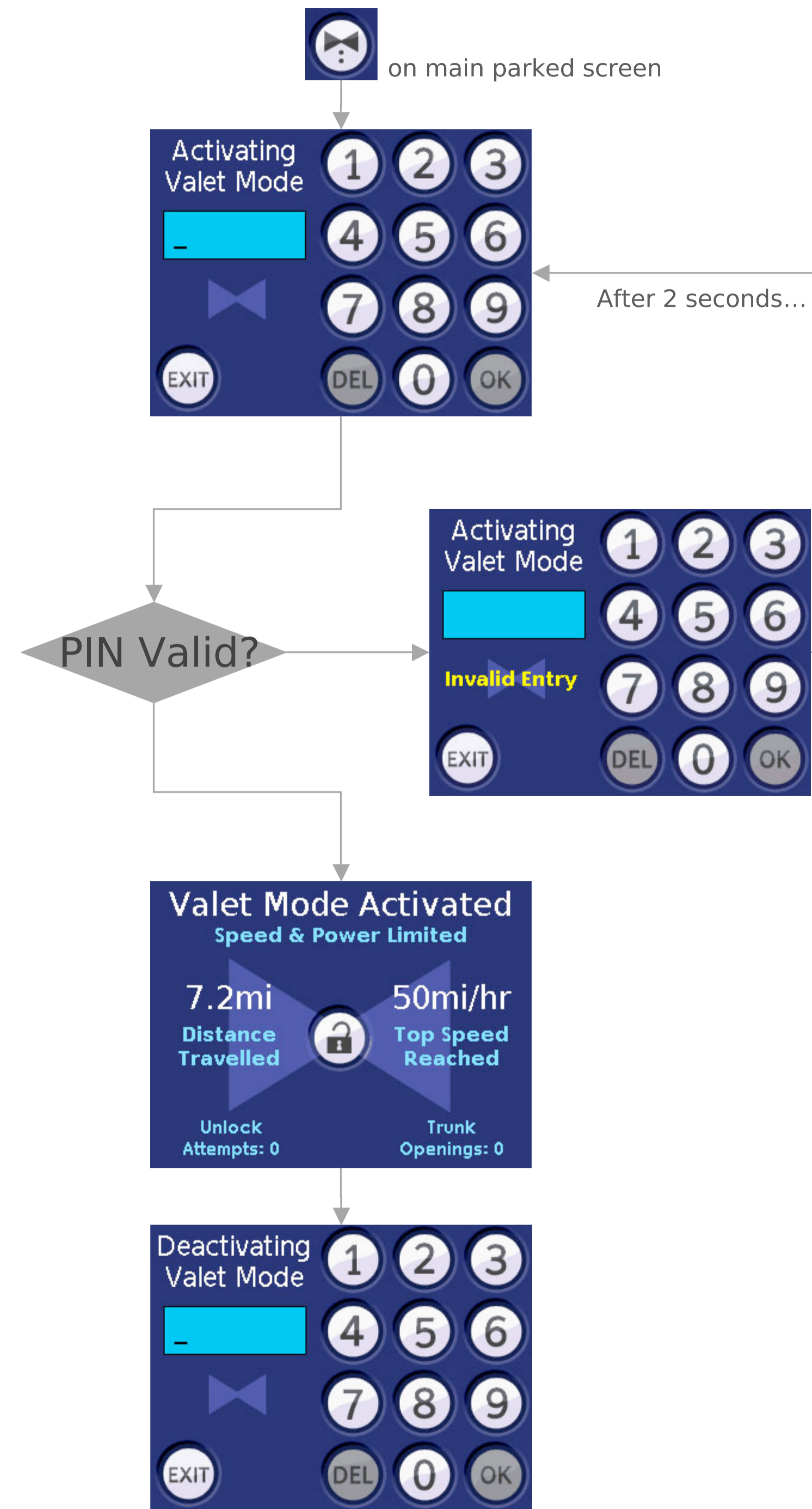
Security Mode, Valet Mode, Reserve Mode



Security Mode



Valet Mode



Reserve Mode

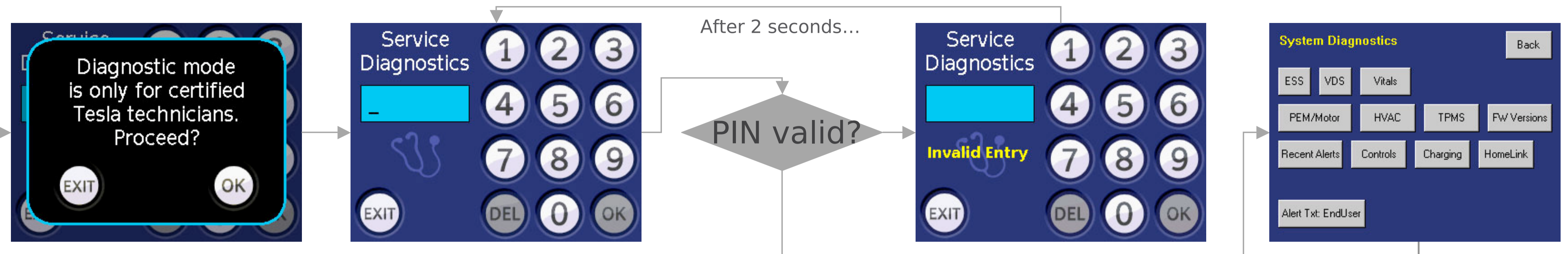
Remaining range unknown. Charge now, or cycle key to access final reserve.

Diagnostics Mode

Screens available while accessories are on



Tap on any screen 7 times in less than 3 seconds...



ESS V&T Vbat(BSM): 385V Back

Bricks

Vave: 2.18V Tave: 25°C

Vmin: 1.89V (#79)

Vmax: 3.10V (#33)

Tmin: 2.4°C (#56)

Tmax: 28°C (#9)

ESS Back

V&T

Balancing

BSM

SOC

VDS 2:13AM Back

SN: wv7wZ048575

HW: 0x 52 56 44 53 30 30 30

VN: 1.14.0

BL: 0.37.0

EC: 255

Start MDBG Save MDBG

MfgTest Assert

Sound Test Stats Trip WDT Reset

Vital Stats Back

3.85V VbrickMin 38°C Tmotor

45°C Tpem

28°C TbrickMax 28°C Ttrans

Balancing (1s) Back

b	1	00011111000
r	2	00111110001
i	3	01111100011
c	4	11111000111
k	5	11110001111
	6	11100011111
	7	11000111110
	8	10001111100
	9	00011111000

1 2 3 4 5 6 7 8 9 a b sheet

PEM/Motor Back

Tpem: 62°C

Tmotor: 38°C

Vbat(PEM): 385V

Ibatt: 45A

Sound Test Back

click(stop all)	lock	unlock	startup
reverse	p.alert	p.remind	d.alert
invalid	shutdown	i.Alert	i.Alert
startup>	sfail*10	0x0b39/0x110	STOP T1
2000Hz	2000Hz*20	AMP ON	AMP OFF
300Hz	300Hz*25	A 0/0x47b	B 0/0x0
CAN TX toggle			STOP A
STOP ALL			STOP B
AA A 65535			AA B 65535

HVAC Back

Toutside: 28°C

TcabinOutlet: 25°C

TmaxBrick: 28°C

Tcoolant: 23°C

Pump Current: 8.00A

Prefrigerant: 8.3bar

Compressor RPM: 6300RPM

Requested Received

Cooling: 50% 52%

Heating: 30% 30%

Pumping: 50% 40%

TPMS Back

Left Front: 30.49psi, 26°C

Right Front: 30.49psi, 26°C

Left Back: 41.01psi, 26°C

Right Back: 41.01psi, 26°C

FW Versions Car FW: 255.255.255 Back

HW Pkg: 2002001000

VMS: 255.255.255 VDS: 255.255.255

VMS_CP: 3.2.1 IP: A-G.C

VMS_LK: 7.6.5 BSM: 4.3.2

DMC: 9.8.7 CSB: 5.4.3

DMC_LD: 10.9.8 BMB: 12.11.10

TCM: 1.2.3 PM: 11.10.9

DFC: 8.7.6 HVAC: 7.8.4

SWP: 6.5.4

BSM Back

Vbatt: 385 (+40/-40) V

Iess: 45A

Vess: 385V

Vaps: 12.2V

Vsb: 12.7V

Recent Alerts Back

Mar3 1:58AM [#0] Critical Brick Ove...

Mar3 2:35AM [#1900] VMS-VDS comms f...

Mar3 2:29AM [#1900] VMS-VDS comms f...

Mar3 2:24AM [#1900] VMS-VDS comms f...

Mar3 2:18AM [#1900] VMS-VDS comms f...

Mar3 2:16AM [#1900] VMS-VDS comms f...

Mar3 2:14AM [#1900] VMS-VDS comms f...

Mar3 4:19AM [#1900] VMS-VDS comms f...

Controls Back

[Car must be off, and not charging]

Reset SOC Params Turn Verbose Logging On

Reset P.L.T.

Reset IP Needles Update Service Dist

Charging Back

Pilot Status: ON

Time Left: 70minutes Stop Charging

Vbat(BSM): 385V

Icharging: 32A

Icommanded: 40A

[L,V]available: 60A, 220V Iuserlim: 32A

Diagnostics HomeLink Screen Back

Status: HLS_IDLE

Program 0 Program 1 Program 2

Door 0 Door 1 Door 2

Restore Defaults

ESS SOC Back

dSOC: 100% RR: 245 miles

CAC: 199.04Ah AR: 199.04Ah

#Ah: 373.8Ah #kWh: 1086.75kWh

DCL: 199.04A EVC: 3.6V kWhR: 59.04kWh

dRMS: 599A dAI: 499mO dWhM: 1999Wh/mile

AH Log:	LRV	duration	SOC	#Ah
12/23-09:	4.2V	999:59	100%	19.0Ah
12/23-10:	4.2V	999:59	100%	19.2Ah
12/23-11:	4.2V	999:59	100%	19.4Ah
12/23-12:	4.2V	999:59	100%	19.6Ah
12/23-13:	4.2V	999:59	100%	19.8Ah
12/23-14:	4.2V	999:59	100%	20.0Ah