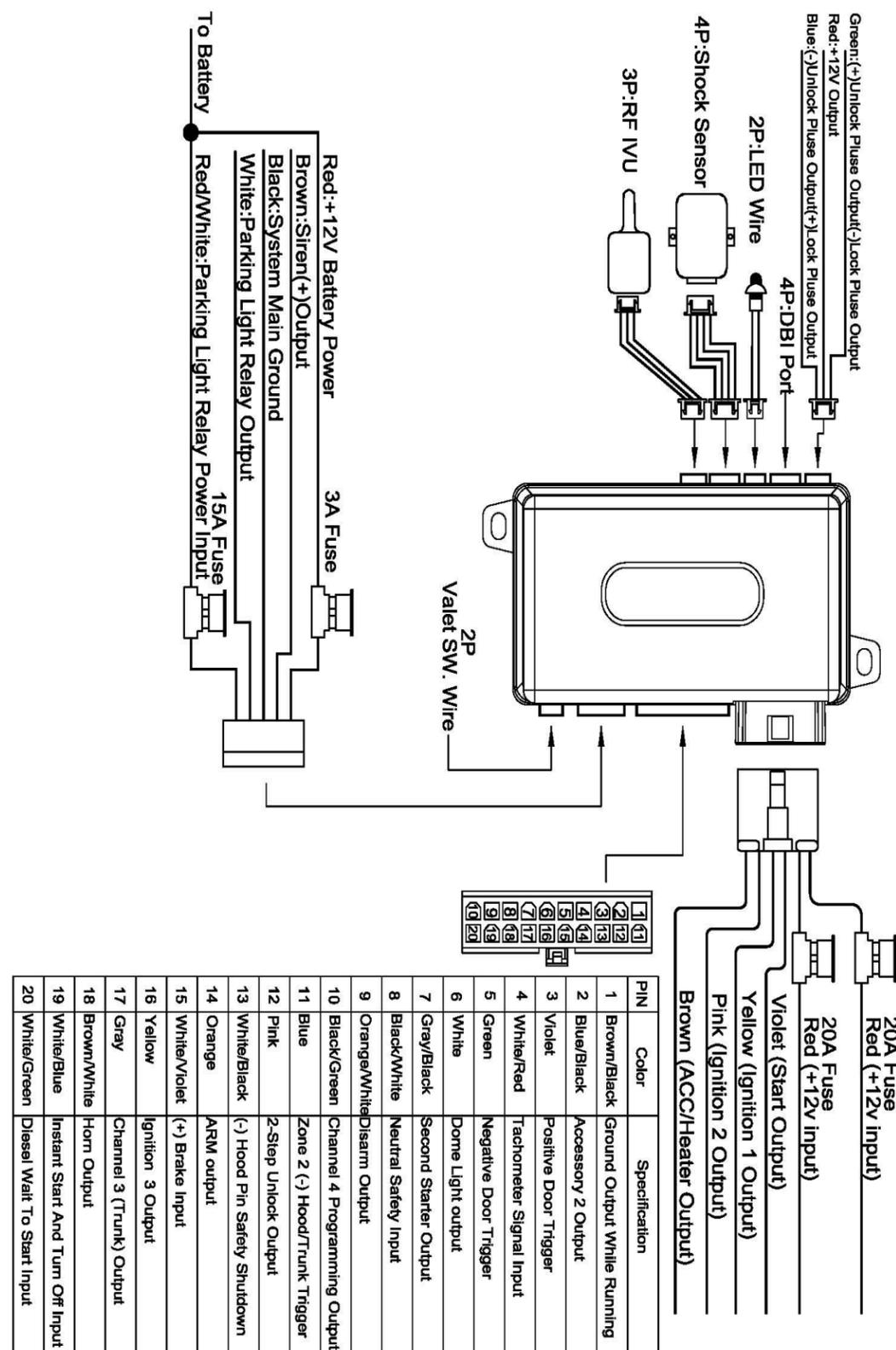# QUICK START INSTALLATION GUIDE

If you are not proficient in the installation of this product or would like a full version of the installation manual, Please visit our web site @ www.encoreautomotivesystems.com
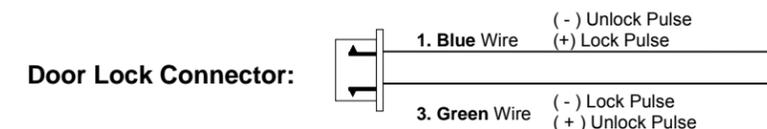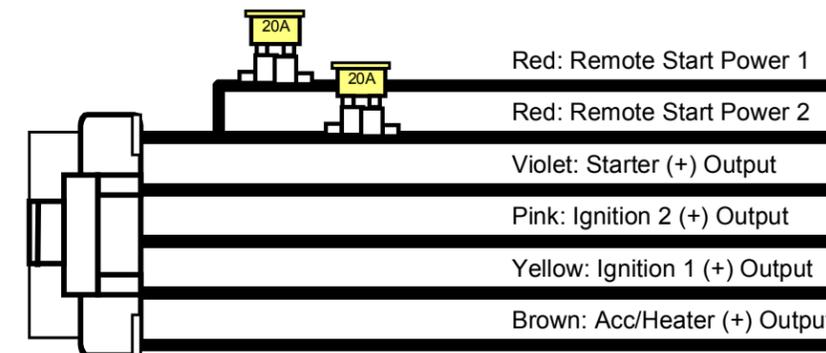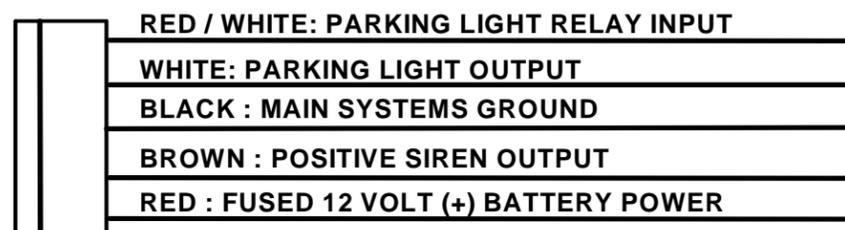
Encore E-7

FOR PROFESSIONAL INSTALLATION ONLY!

To Battery

Red:+12V Battery Power
Red/White:Parking Light Relay Power Input
Brown:Siren(+)Output
White:Parking Light Relay Output
Black:System Main Ground

15A Fuse

3A Fuse

3P:RF IVU

4P:Shock Sensor

2P:LED Wire

Green:(+)Unlock Pluse Output(-)Lock Pluse Output
Red:+12V Output
Blue:(-)Unlock Pluse Output(+)Lock Pluse Output

4P:DBI Port

2P Valet SW. Wire

Pink (Ignition 2 Output)
Yellow (Ignition 1 Output)
Violet (Start Output)
Red (+12v Input)
20A Fuse
Red (+12v Input)
20A Fuse
Brown (ACC/Heater Output)

Pin	Color	Specification
1	Brown/Black	Ground Output While Running
2	Blue/Black	Accessory 2 Output
3	Violet	Positive Door Trigger
4	White/Red	Tachometer Signal Input
5	Green	Negative Door Trigger
6	White	Dome Light output
7	Gray/Black	Second Starter Output
8	Black/White	Neutral Safety Input
9	Orange/White	Disarm Output
10	Black/Green	Channel 4 Programming Output
11	Blue	Zone 2 (-) Hood/Trunk Trigger
12	Pink	2-Step Unlock Output
13	White/Black	(-) Hood Pin Safety Shutdown
14	Orange	ARM output
15	White/Violet	(+) Brake Input
16	Yellow	Ignition 3 Output
17	Gray	Channel 3 (Trunk) Output
18	Brown/White	Horn Output
19	White/Blue	Instant Start And Turn Off Input
20	White/Green	Diesel Wait To Start Input

20 Pin, Main Connector

Pin #	Wire Color	Specification
1	Brown / Black	Ground Output While Running
2	Blue / Black	Accessory 2 Output
3	Violet	Positive (+) Door Trigger
4	White / Red	Tachometer Signal Input
5	Green	Negative (-) Door Trigger
6	White	(-) Dome Light Output
7	Gray / Black	Second Starter Output (-)
8	Black / White	Neutral Safety Switch Input
9	Orange / White	Disarm Output (-)
10	Black / Green	Channel 4 Programmable Output (-)
11	Blue	Zone 2, (-) Hood / Trunk Trigger
12	Pink	2 Step Unlock Output
13	White / Black	(-) Hood Pin switch Safety Shutdown
14	Orange	Arm Output (-)
15	White / Violet	(+) Brake Shutdown Input
16	Yellow	Ignition 3 Output (-)
17	Gray	Channel 3 Trunk Output (-)
18	Brown / White	Horn Output (-)
19	White / Blue	Instant Start and Shutdown Input (-)
20	White / Green	Diesel "Wait To Start" Input (-)

5 PIN MAIN POWER HARNESS

RED / WHITE:	PARKING LIGHT RELAY INPUT
WHITE:	PARKING LIGHT OUTPUT
BLACK :	MAIN SYSTEMS GROUND
BROWN :	POSITIVE SIREN OUTPUT
RED :	FUSED 12 VOLT (+) BATTERY POWER

20A

20A

Red: Remote Start Power 1
Red: Remote Start Power 2
Violet: Starter (+) Output
Pink: Ignition 2 (+) Output
Yellow: Ignition 1 (+) Output
Brown: Acc/Heater (+) Output

Door Lock Connector:

1. **Blue** Wire (-) Unlock Pulse (+) Lock Pulse
3. **Green** Wire (-) Lock Pulse (+) Unlock Pulse

TWO-WAY TRANSCEIVER/ANTENNA MODULE: RF IVU
The Two-way transceiver/antenna mounting location should be the upper left or lower left corner of driver's windshield. For optimum range we suggest that the antenna be mounted Antenna tip facing up.

This Remote Starter with Alarm and Keyless Entry System has been designed to be installed BY PROFESSIONAL INSTALLERS on fuel-injected vehicles with an automatic transmission ONLY.

- Never install this remote starter on a manual transmission vehicle.
- This system must be installed and wired through a safety switch so it will not start in any forward or reverse gear.
- Once you install this system, you must verify that the vehicle will not start in any forward or reverse gear, regardless of the type of vehicle.
- Read the operation manual for operating.
- Do not install any component near the brake, gas pedal or steering linkage.
- Some vehicles have a factory installed transponder immobilizer system that can severely complicate the installation. There is a possibility that this system cannot be installed on some immobilizer-equipped vehicles.
- Most vehicles have an SRS air bag system. Use extreme care and do not probe any wires of the SRS system.
- Disconnect the car battery before beginning work on the vehicle.
- Check behind panels before drilling any holes. Ensure that no wiring harness or other components are located behind the panels that would otherwise be damaged.
- Do not use conventional crimp lock, bullet on any wiring. Poor wiring, i.e. taped joints will possibly introduce unreliability into the alarm system and may result in false alarms or incorrect operation. We suggest soldering all connection points.
- Install the wiring neatly under carpets or behind trim to prevent possible damage to wires.

4P: DBI PORT: Two-way SERIAL DATA PORT CONNECTION: This connector is to be used for Serial Data communications with i-datalink modules FOR Encore only! DO NOT CONNECT THIS TO ANY OTHER WIRING!

This port will only operate correctly with i-datalink Modules. SEE WWW.IDATALINK.COM

TRANSMITTER PROGRAMMING:

Note: This mode will only retain the last 4 remote transmitters programmed. If the transmitter memory is exceeded, the security system will start deleting transmitters from memory in chronological order.

1. Turn the Ignition 'switch 'OFF/ON' 4 TIMES and stay in ON position. "Within 15 seconds".
2. Push the Valet switch 4 times and hold it on the 4th push until a long chirp is heard. Then release the valet switch. You are now in the Transmitter programming mode.
3. Press and hold any button of the transmitter until the siren responds with a confirming chirp, indicating the signal has been stored into memory.
4. If you have additional transmitters (up to 4) that need to be programmed, repeat step 3 for each transmitter.

Exit: Turn Ignition to 'OFF' position, or leave it for 15 seconds. 3 long chirps & 3 parking light flashes will confirm exit.

FOR AUTHORIZED DEALER TECHNICAL SUPPORT, PLEASE CALL Toll Free: (855) GO-ENCORE : 8:00 am TO 5:00 pm PST.

SECURITY FEATURE "A" PROGRAMMING:

1. Turn the Ignition 'switch **'ON/OFF'** 3 TIMES and stay in OFF position.
2. Push the Valet switch **3 times** (holding in on the **3rd push**) until one long chirp is heard. Then release the valet switch. You are now in the Alarm feature **"A"** programming mode.
3. Press and release the transmitter button corresponding to the feature you want to program.

   a. The siren chirps and LED pause will indicate previously setting.

   b. The factory default settings is always [1] LED flash, [1] chirp.

4. Depress the transmitter button to change the feature. Simply keep re-depressing the transmitter button until the system advances to your desired setting.

   Press the transmitter button corresponding to the feature you want to program.

Press Transmitter Button	One Chirp / LED one pulse **Factory Default Setting**	Two Chirps / LED two pulses	Three Chirps / LED three pulses	Four Chirps / LED four pulses
1 🔒	**Active arming**	Passive arming without passive door locking	Passive arming with passive door locking.	
2 🚗	**Automatic Rearm off**	Automatic Rearm on		
3 🚘	**Instant Door Ajar error chirp**	45 seconds delay Door Ajar error chirp.		
4 ✱	**All Confirmation chirps on**	Siren Confirmation chirp on only	Horn Confirmation chirp on only	All Confirmation chirps off
5 🔒 + ✱	**Panic with Ignition off**	Panic with Ignition on & off	Panic with Ignition on & off. Panic with No time limit.	Without Panic function.
6 🔒 + 🚘	**With Alarm Function**	Without Alarm Function		
7 🔒 + ✱	**Without Car-jack mode**	Active Car-jack mode	Passive Car-jack mode	
8 🚘 + 🔒	**With Dome light turns on & off after ignition on & off (45 second door by-pass)**	With Dome light turns on after ignition off (45 second door by-pass)	Without this feature	
9 🔒 + 🔒	**Lock/Arm & Unlock/Disarm Confirmation Chirp**	Lock/Arm Confirmation Only		

Exit: Turn Ignition to 'ON' position, or leave it for 15 seconds. 3 long chirps & 3 parking light flashes will confirm exit.

SECURITY FEATURE "B" PROGRAMMING:

Turn the Ignition switch **'ON/OFF'** 3 TIMES and stay in OFF position.
Push the Valet switch **4 times** (holding in on the **4th push**) until one long chirp is heard then release the valet switch. You are now in the Alarm feature **"B"** programming mode.
Press and release the transmitter button corresponding to the feature you want to program.

Press Transmitter Button	One Chirp / LED one pulse **Default Setting**	Two Chirps / LED two pulses	Three Chirps / LED three pulses	Four Chirps / LED pulses
1 🔒	**Pathway Illumination Feature "off"**	Parking light turns "on" for 30- second upon an unlock signal	Parking light turns "on" for 30- second ON unlock signal & 10-second ON a lock signal.	

SECURITY FEATURE "C" PROGRAMMING:

Press Transmitter Button				
2 🔓	**Ignition controlled door locks & unlocks**	Ignition controlled door locks only	Ignition controlled door unlocks only	Without ignition controlled door locks & unlocks
3 🚘	**0.8 second door lock & unlock**	3.5 second door lock & Unlock	0.8 second door lock, 0.35 second Unlock	0.8 sec. dbl Lock, 0.8 sec. dbl Unlock

Five Chirps = 0.8 second Lock, double 0.8 second. Unlock
Six Chirps = Double 0.8 second Lock, 0.8 second Unlock
Seven Chirps = Door lock with "Comfort Feature"
Eight Chirps = DBI Two step unlock (DBI ONLY)**
Nine chirps = DBI Unlock ALL doors (DBI Only)**Select either of these options when using Encore Two Way Data Bus Interface Only.**

4 ✱ **Brown Wire = (+) Constant Siren output**	**Brown Wire** =5-second (+) pulse Siren output	**Brown Wire** = (+) Pulsing Output **(Relay required for [-] Horn)**	
5 🔒 + ✱ **3 Hours Timer Start**	2 Hours Timer Start		

6 🔒 + 🚘	
The Vehicle without Turbo (The system Cannot be Arm with the engine running)	The Vehicle with Turbo (The system Can be Arm with the engine running)
	The shock sensor will be by-passed upon engine running. (The engine will run by itself after the ignition is turned off)	The shock sensor by-pass three minutes after armed. (The engine will run by itself after the ignition is turned off)	Press 🔒 and ✱ buttons at the same time to control Engine run time for one minute and the shock sensor will be by-passed upon engine running.
	Five chirps = Press 🔒 and ✱ buttons at the same time to control Engine run time for three minutes and the shock sensor will be by-pass upon engine running. **Six chirps =** Press 🔒 and ✱ buttons at the same time to control Engine run time for five minutes and the shock sensor will be by-passed upon engine running.

7. 🔒 + 🚘	Horn chirp Duration Standard	Horn chirp Duration 50 mS	Horn chirp Duration 30 mS	Horn chirp duration 10 mS
8 🚘 + 🔒	**Disable the out of range check.**	Enable range check		

1. Turn the Ignition 'switch **'ON/OFF'** 3 TIMES and stay in **OFF position**.
2. Push the Valet switch **5times** (holding in on the **5th push**) until one long chirp is heard then release the valet switch. You are now in the Alarm feature **"C"** programming mode.
3. Press and release the transmitter button corresponding to the feature you want to program.

Press Transmitter Button	One Chirp / LED one pulse **Factory Default Setting**	Two Chirps / LED two pulses	Three Chirps / LED three pulses	Four Chirps / LED four pulses
1 🔒	**H2/12 Pink Wire = Two step door unlock output**	**H2/12** Pink Wire = Factory Security Disarm Signal Output	**H2/12** Pink Wire = Start Status Output (Shock Sensor Bypass)	**H2/12**Pink Wire = Start Status Output (Shock Sensor Bypass 20 SEC)

Press Transmitter Button				
2 🔓 **H2/18 Brown / White Wire = (-) 200mA Horn Output**	**H2/18** Brown / White Wire = Factory Security Rearm Signal Output			
3 🚘 **Fahrenheit display for Temperature**	Celsius display For temperature			
4 ✱ **Override Without Password Pin Code**	Override With Password Pin Code			
5 🔒 + ✱ **H2/10 Black / Green Wire Channel 4 Output = Pulsed output**	**H2/10** Black / Green Wire Channel 4 Output = Latched output	**H2/10** Black / Green Wire Channel 4 Output = Latched output	**H2/10** Black / Green Channel 4 Output = Timer programming (set to any interval between 1 second and 2 minutes.)

Channels 4 Timer Control Output Programming.
Enter:
1. Turn the Ignition 'switch 'ON/OFF' 3 TIMES and stay in OFF position.
2. Push the Valet switch **5 times (holding in on the 5th push)** until one long chirp is heard then release the valet switch. You are now in the Alarm feature **'C'** programming mode.
Timer Program:
1. Press and release 🔒 and ✱ buttons together 4 times, [4] LED flash, [4] siren/horn chirps to indicate that you are in features "Channel 4 Timer Programming mode".
2. Press and hold the valet switch, the timer will immediately start.
3. When the desired interval has passed, release the valet switch. 1 long chirp for confirmation. (Set to any interval between 1 second and 2

Note 1:
If your built-in timer controls window/sunroof closure in your car DO NOT change the timer setting! This requires installer-only programming.
Changing the value will adversely effect installer operation and may cause damage.
Note 2:
Latched output = The latched output selection will send a negative signal as soon as the Channel 4 button is pressed and will continue until the button is pressed again.
Latched output / reset with ignition = The latched / reset with ignition output selection operates just like the latched output but will reset or stop when the ignition is turned on.

START FEATURE "D" PROGRAMMING:

1. Turn the Ignition 'switch **'ON/OFF'** 3 TIMES and stay in **OFF position**.
2. Push the Valet switch **6 times** (holding in on the **6th push**) until one long chirp is heard then release the valet switch. You are now in the Start feature **"D"** programming mode.
3. Press and release the transmitter button corresponding to the feature you want to program.

Press Transmitter Button	One Chirp / LED one pulse **Factory Default Setting**	Two Chirps / LED two pulse	Three Chirps / LED three pulse	Four Chirps / LED four pulse
	Gasoline Engine			
1 🔒 + 🔒	**Diesel Engine with Wait-To-Start Light**	Diesel Engine without Wait-To-Start Light 10 seconds warm-up timer	Diesel Engine without Wait-To-Start Light 15 seconds timer	Diesel Engine without Wait-To-Start Light 20 seconds timer

Press Transmitter Button				
2 🔒 **Factory alarm disarm with channel 3 on**	Without this feature			
3 🔒 **Constant parking light output upon Remote Start**	Flashing parking light output upon Remote Start			
4 🚘 **20 minutes run time**	30 minutes run time	10 minutes run time	5 minutes run time
5 ✱ **Door lock After start(RUN)**	Door un-lock before start & Lock after start	Door lock before start and Door lock after shut-down	Without this feature
6 🔒 + ✱ **Temperature-Control Starting OFF**	Temperature-Control Starting "ON" 0 ºF / -18 ºC	Temperature-Control Starting "ON" 15 ºF / -9 ºC	
7 🔒 + ✱ **Press ✱ button = Activate Remote Start.**	Press ✱ button Activate Remote Start.		
8 🚘 + 🔒 **H2/19 White/Blue wire= 1 pulse activate**	**H2/19** White/Blue wire= 2 pulse activate	**H2/19** White/Blue wire= 3 pulse activate	

START FEATURE "E" PROGRAMMING:

1. Turn the Ignition 'switch **'ON/OFF'** 3 TIMES and stay in **OFF position**.
2. Push the Valet switch **7 times** (holding in on the **7th push**) until one long chirp is heard then release the valet switch. You are now in the Start feature **"E"** programming mode.
3. Press and release the transmitter button corresponding to the feature you want to program.

Press Transmitter Button	One Chirp / LED one pulse **Default Setting**	Two Chirps / LED two pulse	Three Chirps / LED three pulse	Four Chirps / LED four pulse
1 🔒	Exit the programming mode. (3 long chirp & 3 parking light flashes to confirm this exit.)			
2 🔒 + 🔒	**Voltage check type (go to 3B)**	Tachometer Check type (3A)	Timer checking type (go to 3B)	**Data Bus Interface Mode****
3 🔒	**A> RPM learning – see RPM in the FULL Version Manual**			
	B> Start Crank Time: 0.6-second	0.8-second (2 chirps), 1.0-second (3 chirps), 1.2-second (4 chirps), 1.4-second (5 chirps), 1.6-second (6 chirps), 1.8-second (7 chirps), 2.0-second (8 chirps), 3.0-second (9 chirps), 4.0-second (10 chirps),		
4 🚘	**Low check level**	Hi check level		
5 ✱	Start or Stop the system for TESTING & ADJUSTMENT			
6 🔒 + ✱	"TEST" Mode for Zone 2 / instant trigger & Zone 3 / Door trigger	"TEST" Mode for Zone 1 & Zone 4 (2 Stage Shock Sensor)		
7 🔒 + 🚘	**+ 50 RPM DBI ONLY**	No RPM learning		
8 🚘 + ✱	**- 50 RPM DBI ONLY**	No RPM Learning or < 50RPM		
9 🔒 + ✱	**Automatic Transmission**	Manual Transmission		

Exit: Press the 🔒 button on the transmitter. 3 long chirps & 3 parking light flashes will confirm exit.