

User Manual



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REAR SEAT ENTERTAINMENT SYSTEM

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Important Notice

It is unlawful in most jurisdictions for a person to drive a motor vehicle which is equipped with a television viewer or screen that is located in the motor vehicle at any point forward of the back of the driver's seat, or that is visible, directly or indirectly, to the driver while operating the vehicle. The monitors should never be installed where they will be visible, directly or indirectly, by the operator of the motor vehicle. If your vehicle is equipped with a wireless rear seat audio system or any other wireless infrared device, make sure it is powered off when operating the Rear Seat Entertainment System. If both systems are powered on at the same time, the two systems may obstruct each other, possibly creating undesirable audio interference through the wireless headphones

Safety Precaution

For safety reasons, do not allow children to unfasten safety belts to make any adjustments to the system. System adjustments can be accomplished using the remote control unit, while safety belts remain fastened. Enjoy your entertainment system but remember that safety of all passengers remains the number one priority. Direct eye contact from protruding HDMI cables may result in injury during an accident. To prevent eye injury, disconnect all HDMI cables when not in use.

Warnings

- Do not use any harsh solvents or chemicals when cleaning the unit.
- Do not use any abrasive cleaners that may scratch the screen. Use only a lightly dampened lint free cloth to wipe the screen if it is dirty.
- Do not put pressure on the screen.

Product Features

VRM

- Dual CPUs each running FireTV
- 16GB on board memory to store offline content
- Supports BTLE FireTV remote controls
- 1080p FPD-Link III Serializer/Deserializers
- 100BASE-T1 Automotive Ethernet Switch
- Integrated WLAN and Bluetooth v5.0
- USB 2.0 host to vehicle center console port
- High speed CAN transceiver
- Operating Input Voltage
 - Low: 9VDC
 - Nominal: 12VDC
 - High: 16 VDC
- Operating Temperature
 - Low: -40C
 - Nominal: 25C
 - High: +85C

Display

- 1080p screen resolution
- Integrated Touch screen controller
- Integrated HDMI media port
- Integrated USB Type C charging port
- Integrated stereo headphone jack
- Supports WhiteFire® Digital 2.0 IR headphones
- FPD-Link III SERDES with HDCP V1.4
- Operating Input Voltage
 - Low: 9VDC
 - Nominal: 12DC
 - High: 16 VDC
- Operating Temperature
 - Low: -40C
 - Nominal: 25C
 - High: +85C

Caution

Be sure to run the vehicle engine while using the system. Using this system without running the engine can result in battery drain. To avoid the risk of battery drain, please remember to turn off the system when the vehicle is not in use. Do not touch the inner pins of the jacks on the front panel. Electrostatic discharge may cause permanent damage to the system.

Accessories

Wireless Headphones and Remote



Both of your Uconnect Theater screens come with their own Remote and Headphones. The remote is designed to help you make the most of Uconnect Theater. Use the touchpad like a mouse to navigate through the system. Or use the arrow buttons to click through the options on the screen. It's totally up to you. Press HOME to return to the source menu or MUTE to silence the audio. You'll find standard media controls like PLAY, FAST-FORWARD and REWIND. There's also a SCREEN SELECTOR button to toggle between the DRIVER- and PASSENGER-side screens. To pair a remote, tap SETTINGS on the touchscreen, tap REMOTE, then PAIR A REMOTE CONTROL and follow the onscreen pairing instructions. The system will let you know when pairing is complete, or if you need to run the procedure again. If the remote ever stops working, try pairing it again. Each set of headphones has an ON/OFF button, a volume control and channel selection button, so you can listen to whatever is playing on either of the two Uconnect screens. You'll need to install a fresh set of AAA batteries in the panel behind the left ear cushion. Just slide the cover downward. When you're ready to tune in, make sure the headphones are ON. The volume should be turned up and not on Mute. And, when you want to give your eyes a rest, just close the Uconnect Theater screen and enjoy audio only. The video resumes any time you open the screen. To change the audio mode of your headphones, make sure your Uconnect screen and headphones are set to the same channel. Push HOME on your remote control, then use the remote control's arrows or touchpad to select the mode you want. To conserve battery life, the headphones automatically shut down three minutes after the audio system is turned off.

Display Port Description



Port	Name	DESCRIPTION
1	Audio Out	3.5mm Audio Jack Output
2	USB Type C	USB Type-C Charging Port (15Watts)
3	HDMI In	HDMI Input (Supports up to 1080p)

Remote Control Operation

Installing or Replacing the Battery

1. On the rear of the remote control, remove the battery cover.
2. Install two “AAA” batteries as shown.

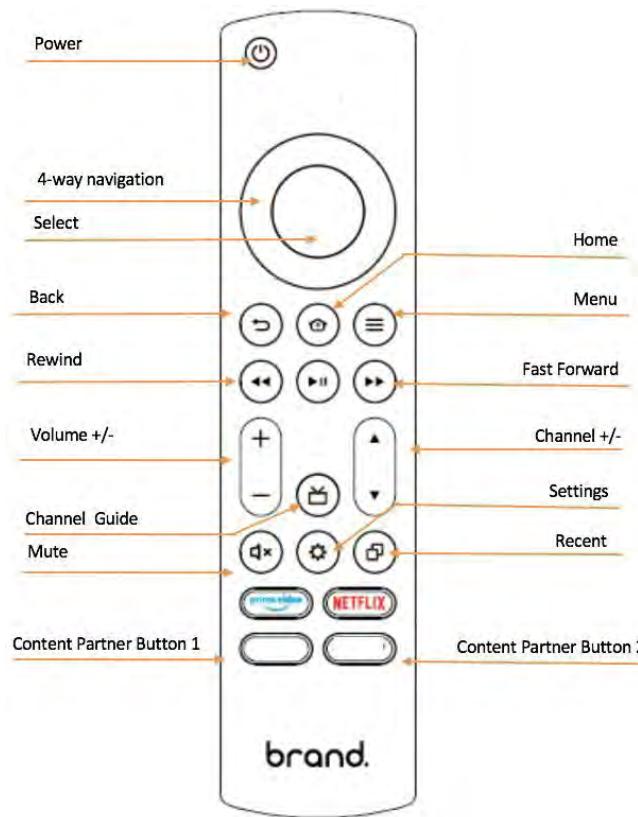


The remote control is only designed to operate this device. It is not a universal remote control and will not operate any other device.

Warning/Caution on using batteries

- Always ensure that the battery is inserted with the positive and negative terminals in the correct direction as shown in the battery compartment.
- If the remote control fails to function, replace the battery before seeking repairs at the dealer.
- Keep batteries out of the reach of children. Should the battery be swallowed, immediately consult a doctor. When disposing of used batteries, please comply with governmental regulations or environmental public institution rules that apply in your country/area.
- Remove the battery if the remote control is not used for a month or longer to avoid corrosion and damage to the remote control.

Remote Control Operation (continued)



Icon (Sample only)	Name/Category	Description
	Power	The remote has a dedicated button that will toggle power on or off of the TV. The power button when pressed will send a power toggle IR command, however the TV must accept "power on" and "power off" commands independently (for the home, DPAD select, and universal remote use cases)

	Volume Keys	The remote has a method by which it can control the up/down volume output of the TV. Pressing and holding down the volume up or down button will continuously send the volume command for the respective up/down command. The number of volume steps are software configurable so that adequate testing can determine the appropriate level of steps
	Mute Button	The remote has a mute button that toggles between mute/unmute states.
	Home	The remote has a HOME button on the front face of the device. When the user presses the HOME key, the remote will also send a device "power on" command via IR to turn on the TV (nothing will happen to the TV if it is already on), as well as the HOME command. Long press on HOME will activate the HUD (Quick Settings Overlay).
	4 Way Navigation	The remote uses a D-Pad to navigate (up, down, left, right)
	Select	A select button that allows to user to take action on the item that has focus. When the user presses the select key, the remote will send a device "power on" command via IR to turn on the TV if it's in an off state. The remote will also send a Select command.
	Playback Control	The remote has a set of dedicated buttons or a set of interactions that enable playback control while audio or video is in use. These controls will include Play/Pause, Fast Forward (Long Press) Or Skip Forward (Press) And Rewind (Long Press) And Skip Back (Short Press). Note, as on Fire TV today, each app can interpret these commands differently.
	Back	The remote includes a "BACK" button (standard android back command)

	Menu	A MENU button activates commands when prompted in the user interface
Icon (Sample only)	Name/Category	Description
	Guide	A Guide button pulls up the universal program guide.
	Recent	Recent button will pull up the "Recent" row screen that will allow user to switch between recently watched content.
	Channel Rocker	Channel UP/DOWN button allows user to go to the next live TV channel.
	Settings	Settings button will pull up a side panel overlay to provide quick access to Picture and Sound settings.
	Prime Video	All FTVE remotes will have a direct button to launch Prime Video. Amazon will provide the graphics for this button and implement SW behavior.
	Netflix	All FTVE remotes will have a direct button to Netflix. Amazon will manage the relationship with Netflix to ensure compliance with remote button requirements.
	Content Partner Button-1: Disney+	A direct shortcut button to "Disney+" APP.



Content Partner
Button-1: My FCA

A direct shortcut button to FCA Special APP.

General Operating Instructions

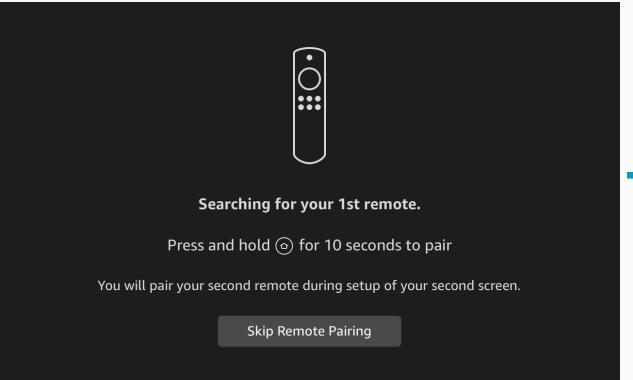
Screen 1

01. Cobranded Animated Boot



02. Remote pairing : Screen 1

03. Continue or Video Demo



04. Connecting to Car Network



05. Software Updates

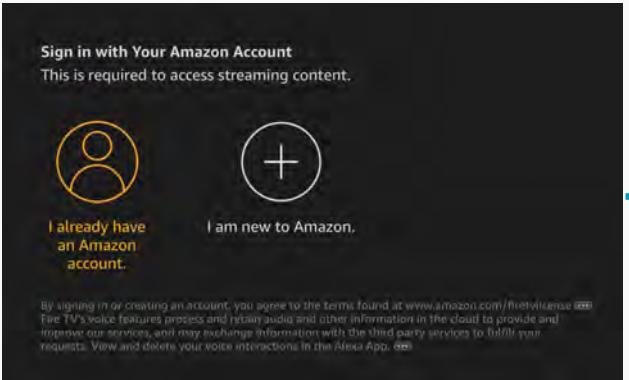


LOGO | firetv

Checking for updates

06.

06. Account Sign-in/ Sign Up sell



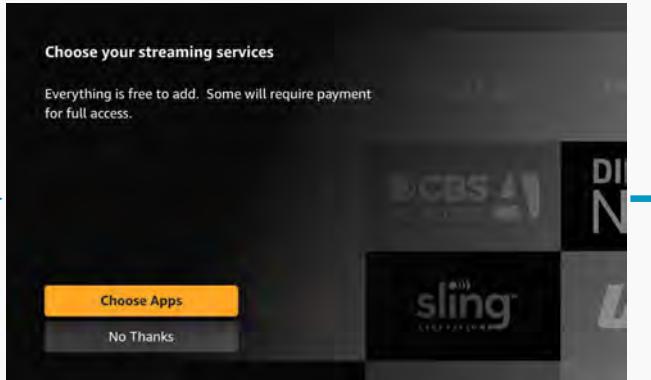
07. PCON



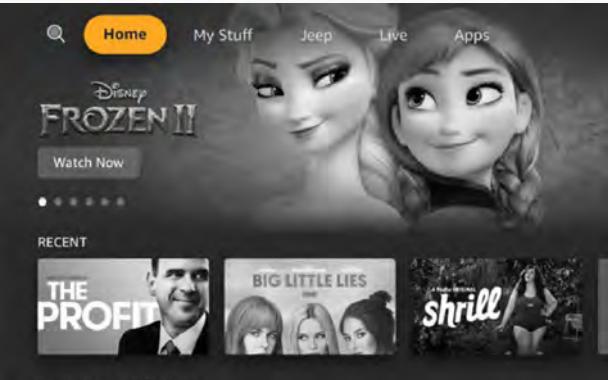
08. PrimeUp-



08. Content Wizard



10. Loading Home



Screen 2 Trigger

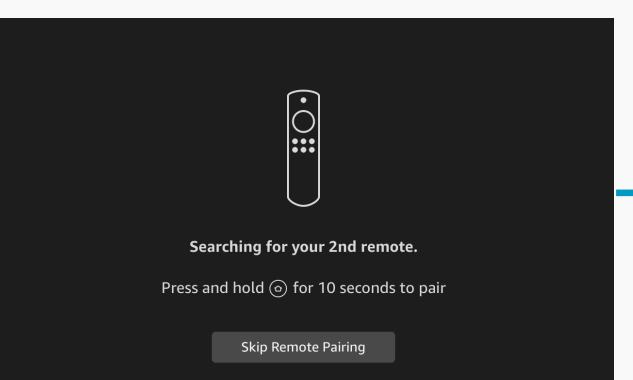
01. Cobranded Animated



02. Hold Screen for Screen



03. Screen 2 remote



Refer to full screen 2 flow.

Global Remote /Touch
Back &Power



0.1

Screen using remote...

No HUD Peek is shown when the customer is interacting with remote.

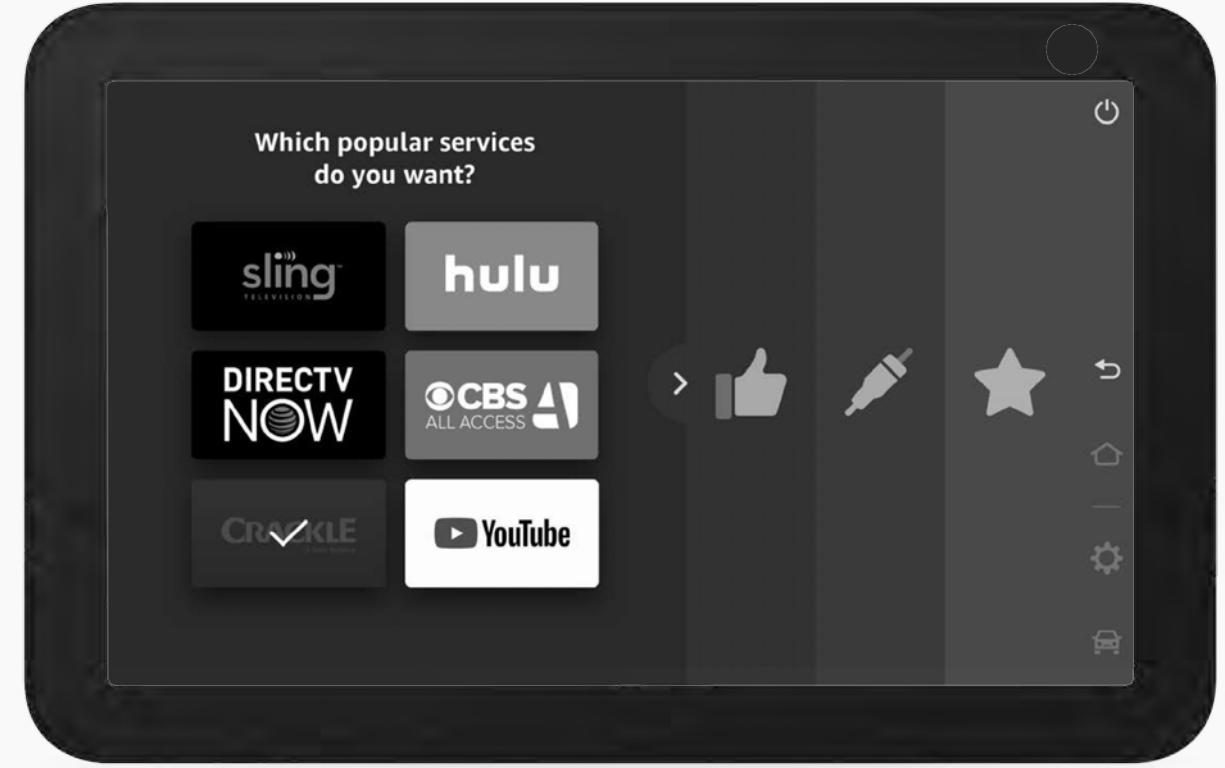
Remote screens will show focus states of buttons, touch mode will remove focus and follow global touch / remote behavior



0.2

Screen is touched(back disabled)...

HUD Peek appears on screen when the customer touches the screen. It remains on screen while touching and will dismiss after 3 seconds (configurable) of no touch interaction. The only available buttons are 'power' (Screen off/audio off) and 'back' all other buttons will be disabled state. Back will be disabled if not available in a screen... follows same remote back behavior.



0.3

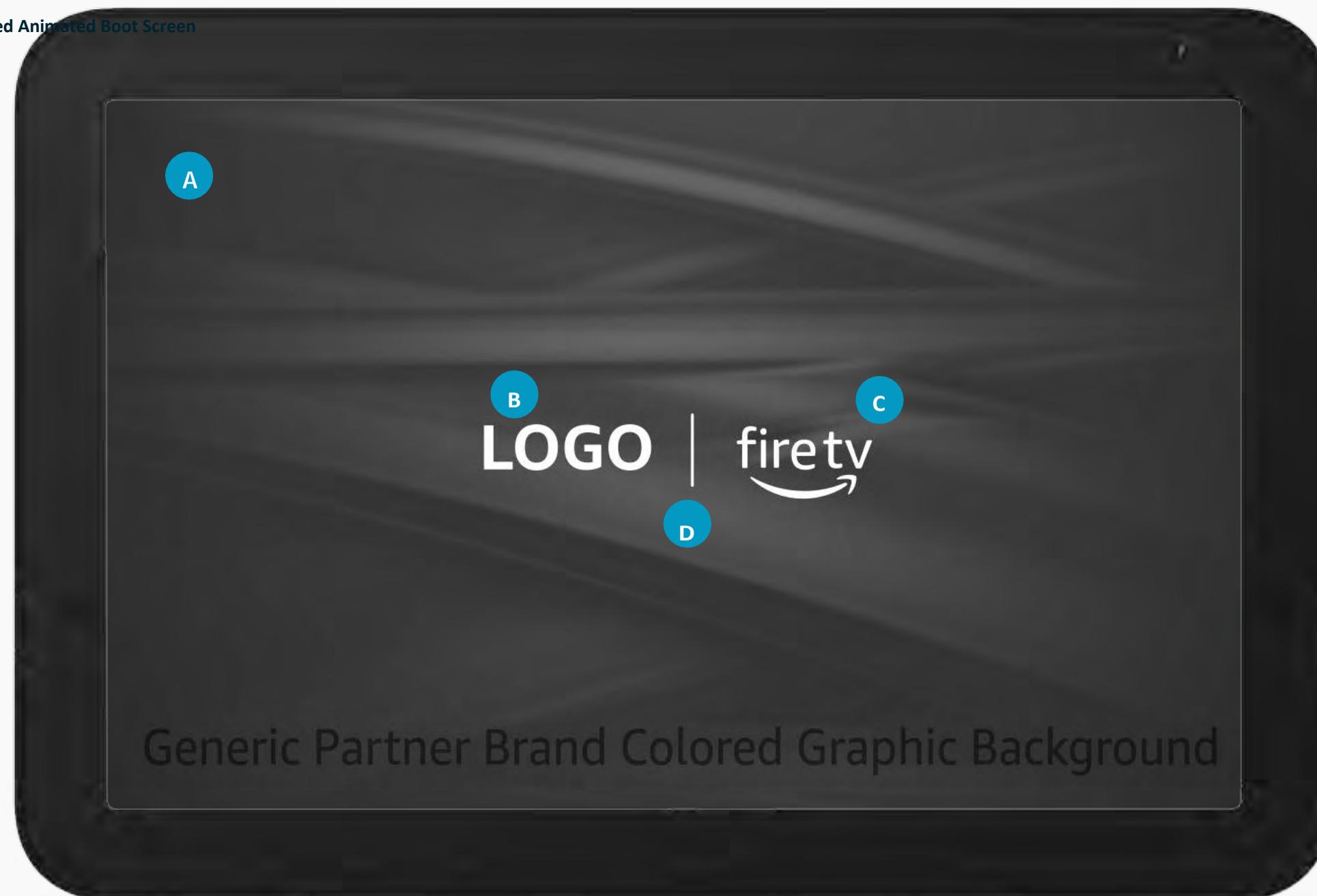
Screen is touched (back enabled)...

Showing the soft remote touch affordance the same way in OOB as the rest of the experience will help to build muscle memory and expectations throughout the experience. This does not actually have to leverage the same tech as long as it has the same appearance and behavior.

Boot Screen



1.1



- A** Partner background image (unique to car brand make and model)
- B** Partner logo (white logo unique to car brand make and model highest level least number of brands as these will be stored and need to be available before connection)
- C** Fire TV Logo white logo no 'edition'
- D** Animation (Logos animate in together to the line and then a shine goes across both logos as sign of life while booting)

Boot Screen



1.2

Loading Language



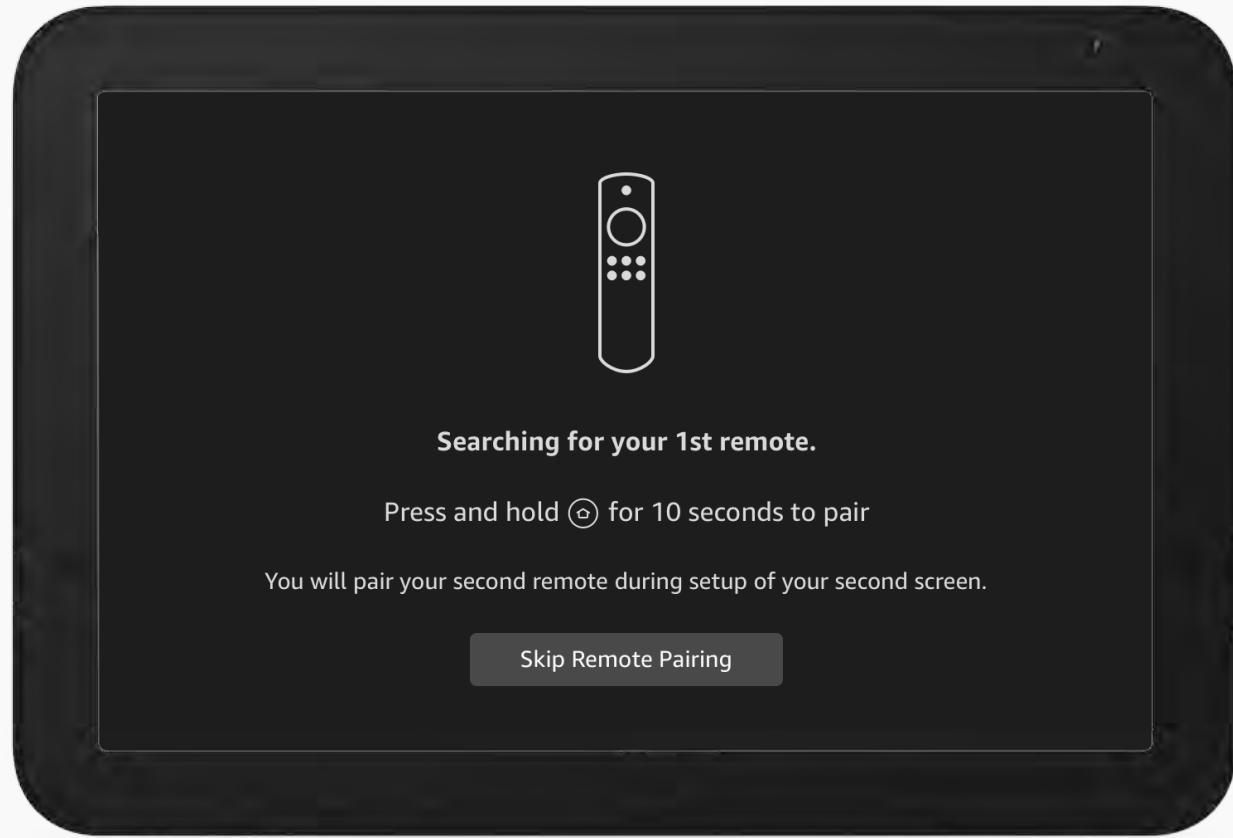
A

Information while loading (this text will need to rotate through localized languages)

If the language can't be loaded during the boot animation, we will not show this screen.

If language fails to be received from the car, fall back to language selection screen.

Remote Pairing

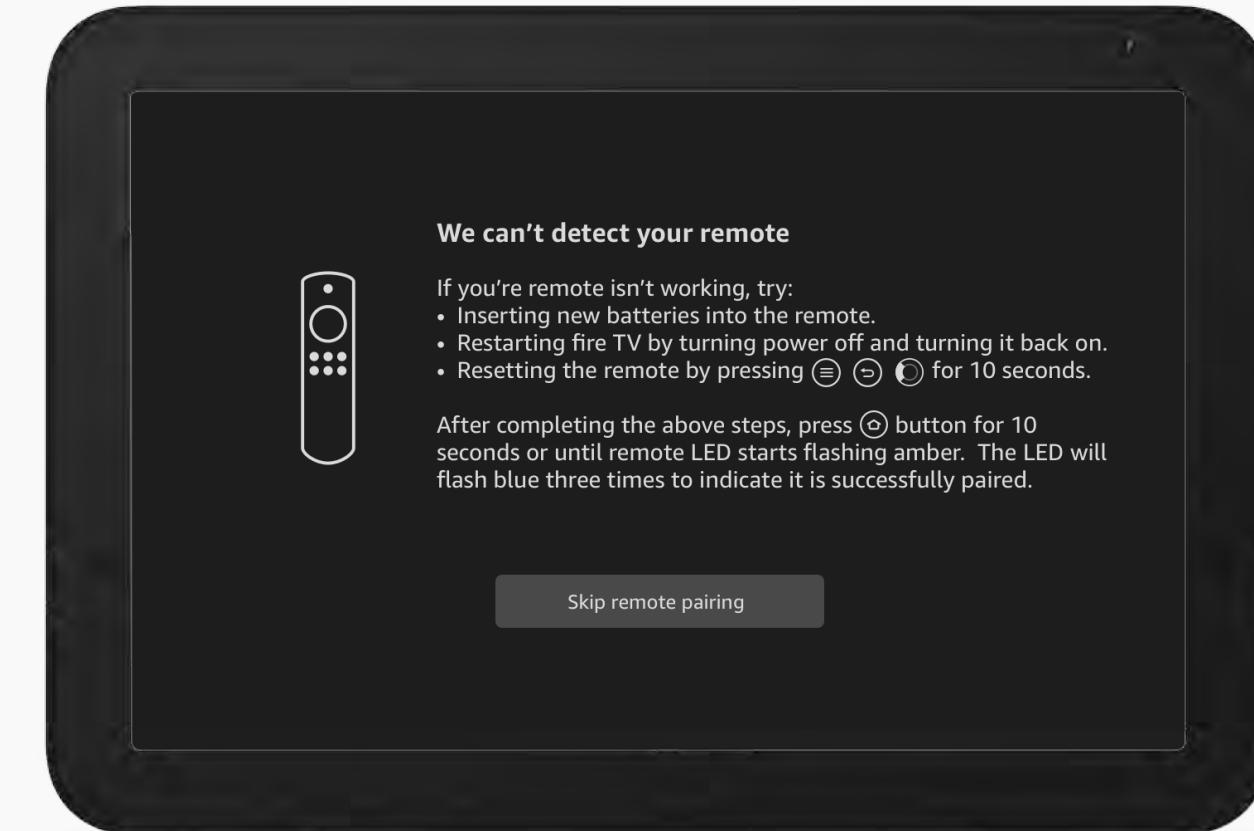


2.1 PAIR 1st REMOTE

Finish boot...

Pair remote 1 only: The device will be listening for pairing from the start, but the remote will not go into pairing mode until the customer explicitly acts on the button long press home.

If skipped the customer will not be able to use the remote in OOSE, they will need to use touch and will need to pair after through settings

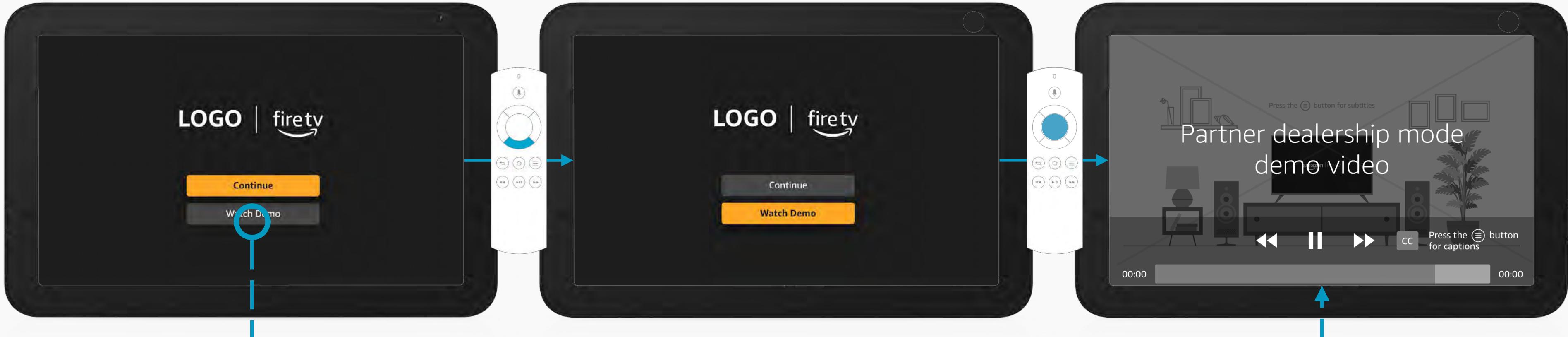


2.2 REMOTE CAN'T CONNECT

Remote pairing failed...

Option for customer to troubleshoot remote or continue without pairing

Continue /Demo
Video Only



Complete remote pairing or skip...

Option for customer to continue on with OOB or watch video demo

- Continue is in focus by default
- Cobranded screen with partner logo and Fire TV

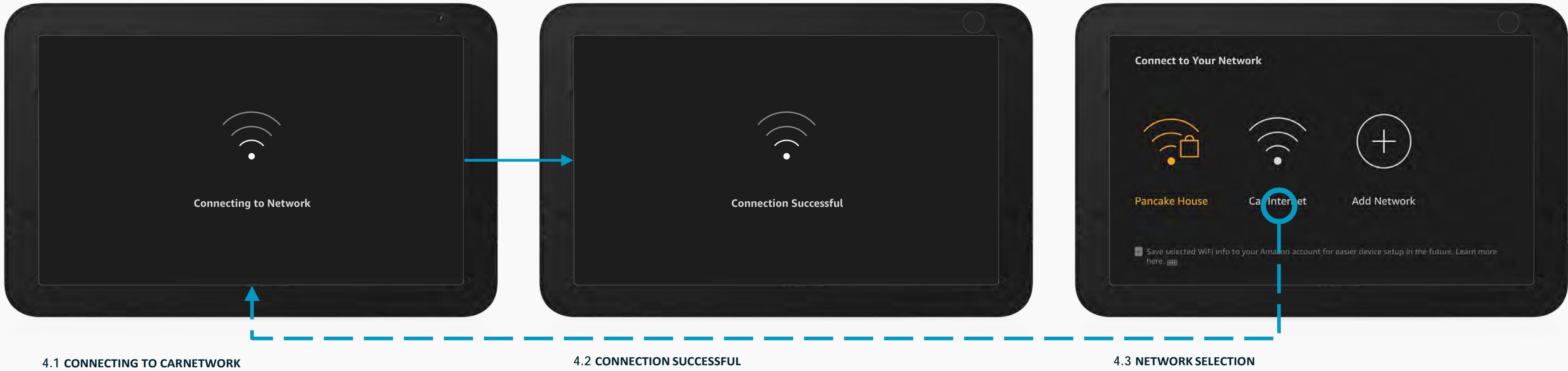
D-Pads down...

Select watch demo touch or remote...

Demo video can be created by the OEM, or Amazon GTM.

- The video will be capable of being specific to the car model and manufacturer.
- Uses media player play pause and duration
- Video is available offline before connection to car wifi

Connecting to Network



Continue from continue/demo screen...

Auto connection to car wifi

Connect successfully to carnetwork...

Auto connection to car network failed...

Customer can select a brought in hotspot if the car wifi fails to connect.

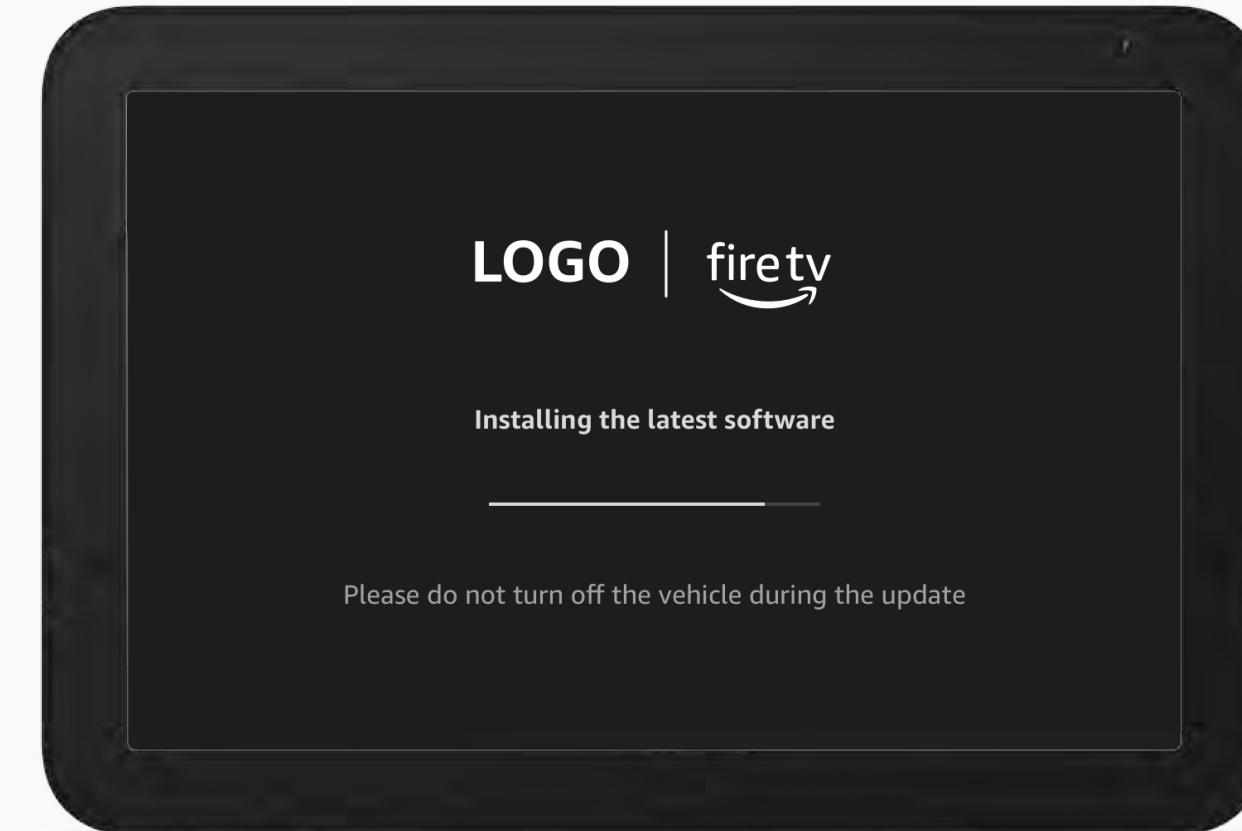
Software Update



5.1 CHECKING FOR UPDATES

Complete network connection...

Checking if there are any new updates.

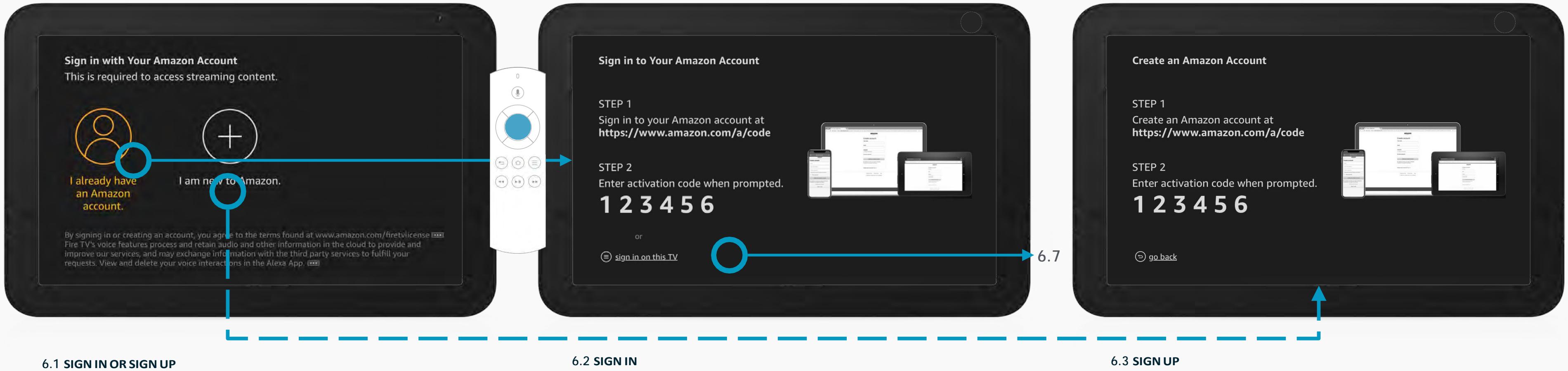
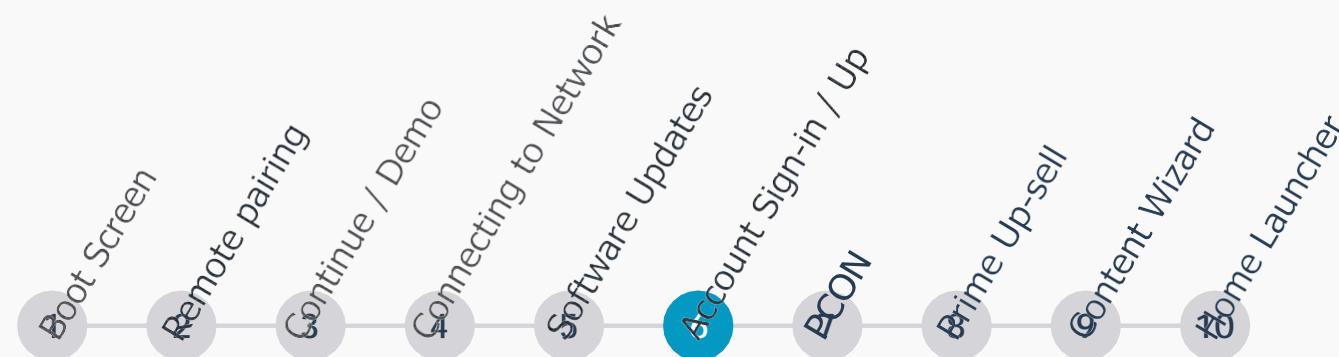


5.2 INSTALLING UPDATES

Update found...

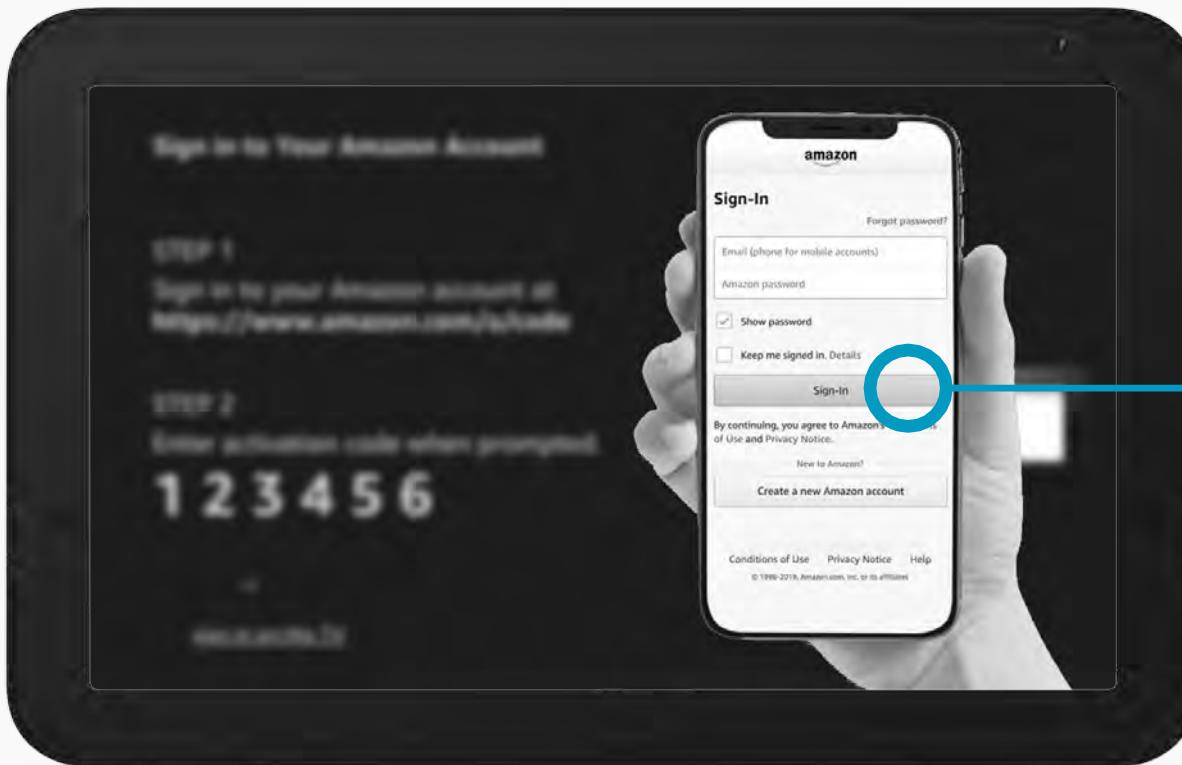
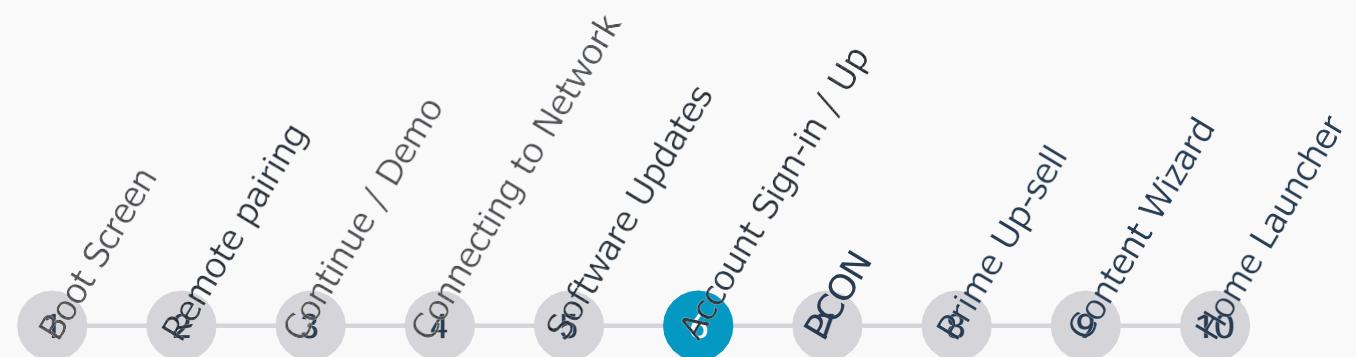
During the day 0 update power needs to remain on, customer should not turn off vehicle.

Account SignIn



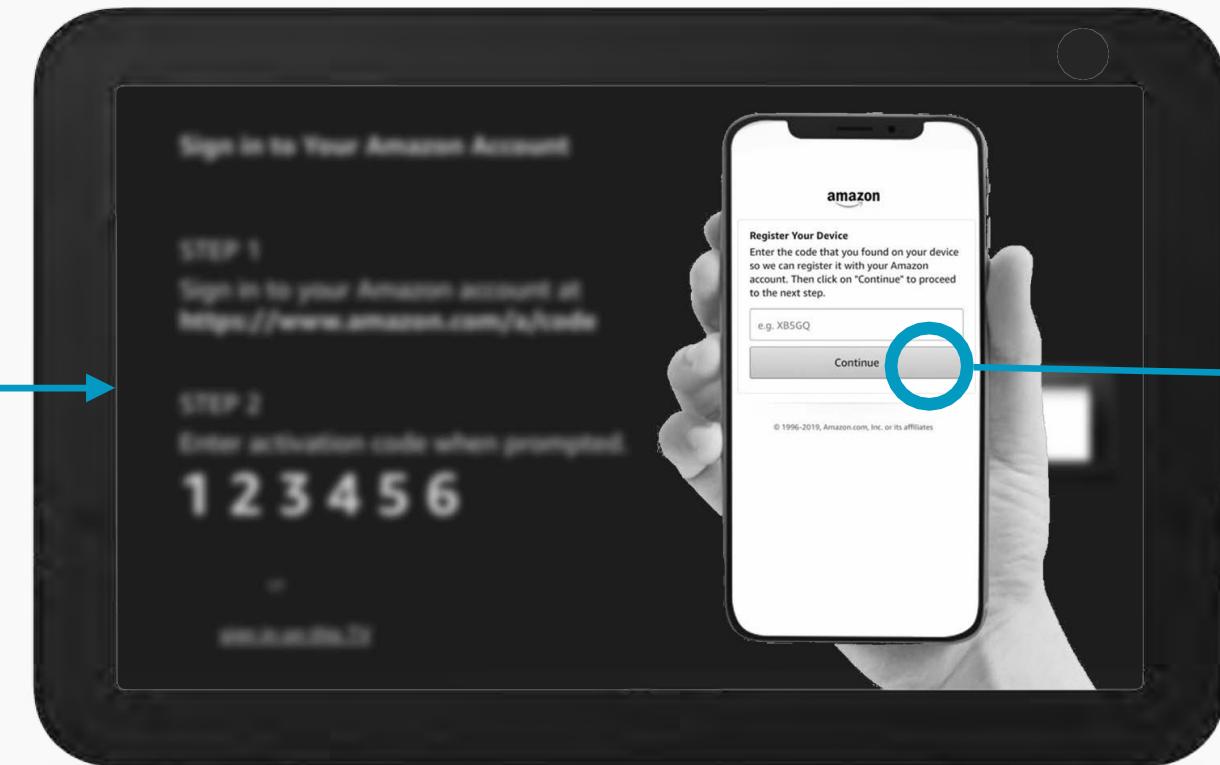
This screen also has TOS

Account SignIn



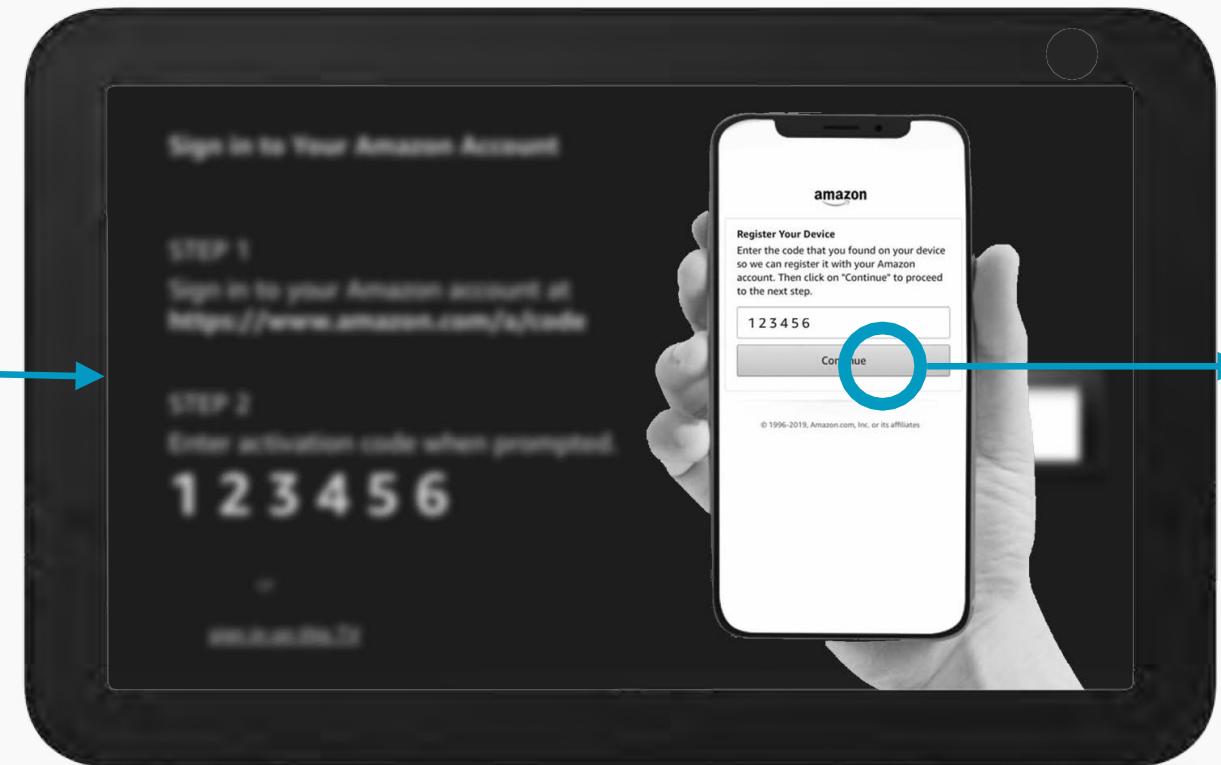
6.4 SIGN IN MOBILE ENTER EMAIL & PASSWORD

Sign in via mobile going to URL...



6.5 ENTER ACTIVATION CODE

Add email address & password...

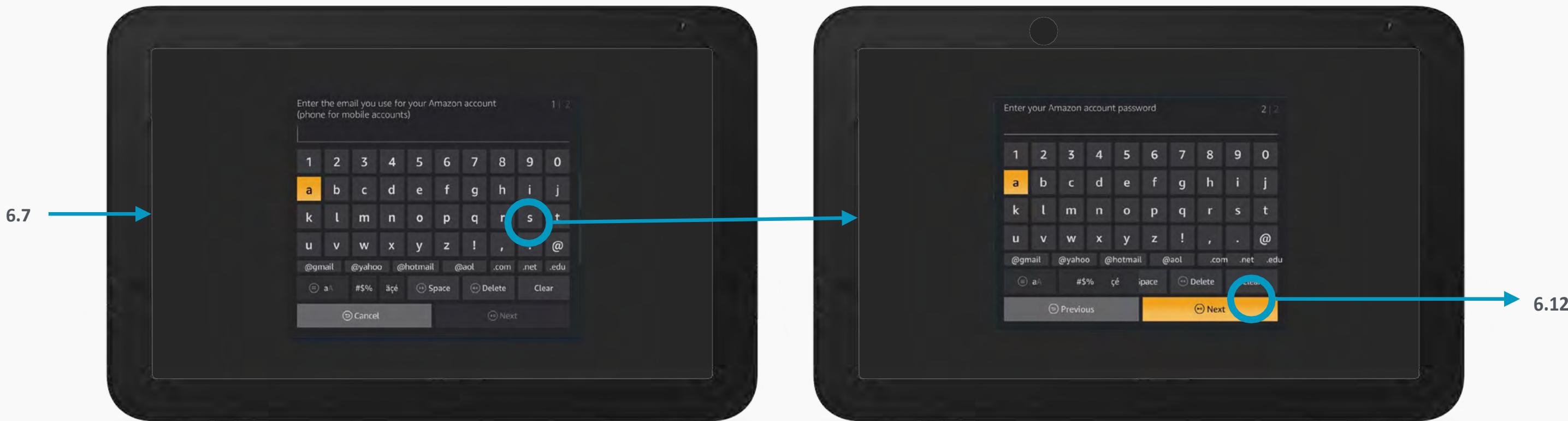
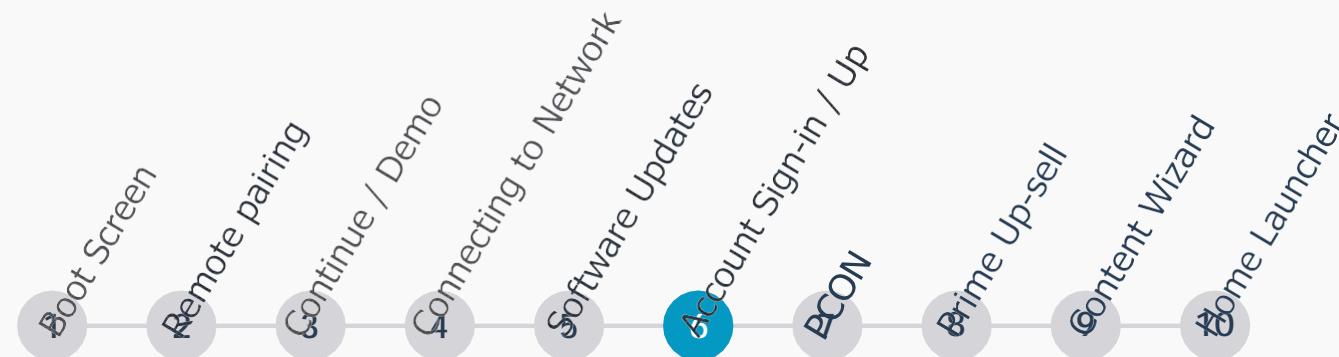


6.6 ACTIVATION CODE ENTERED

Authenticates car to Amazon account and will sign in to all screens

6.12

Account SignIn



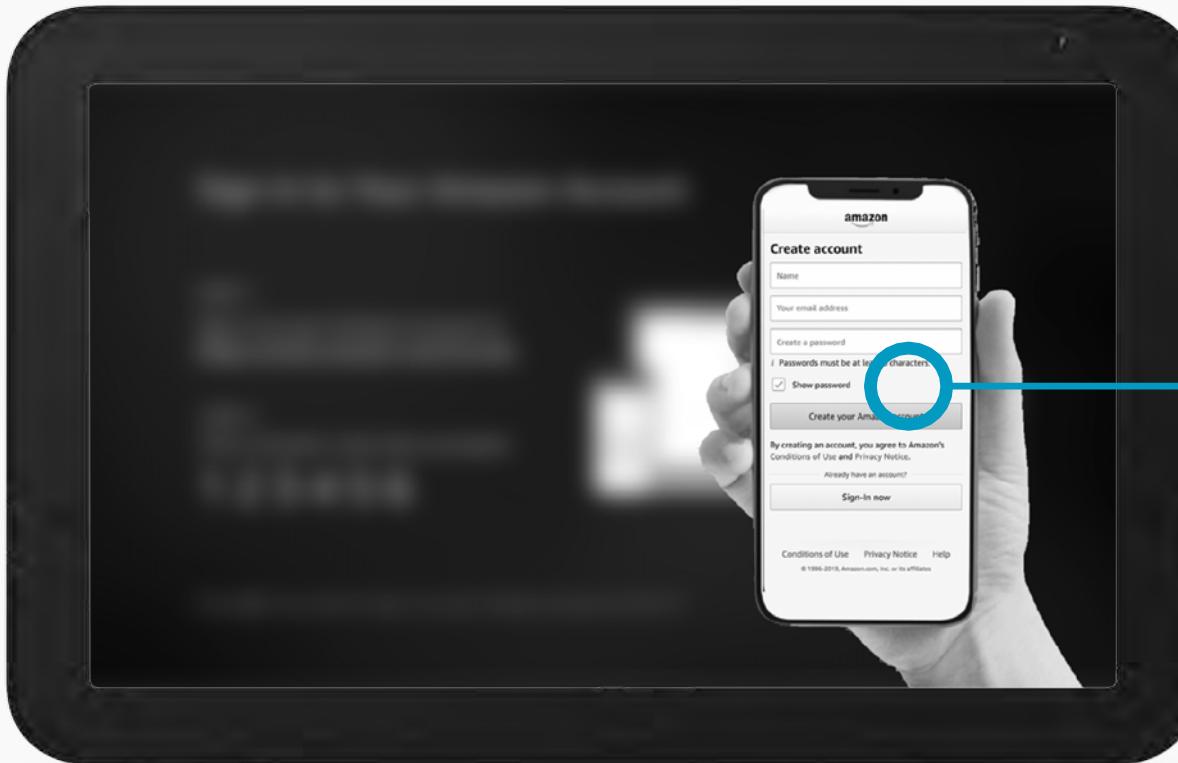
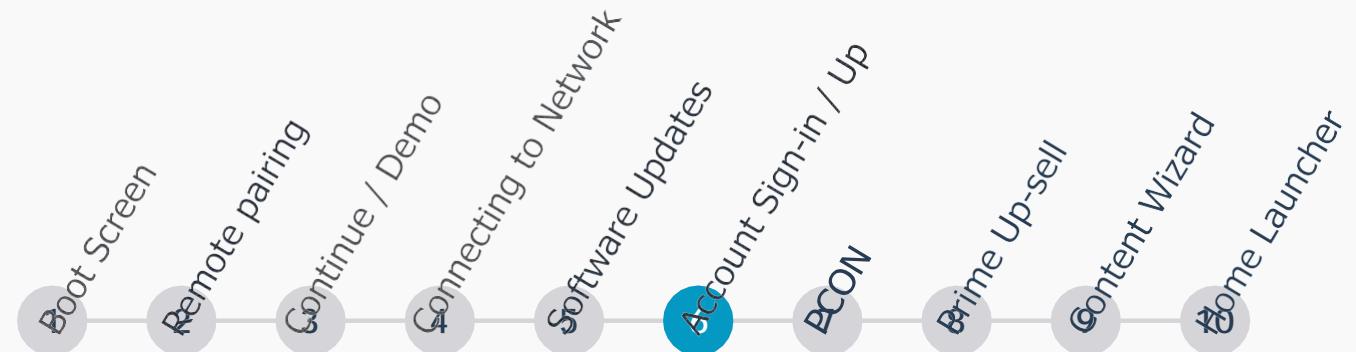
6.7 ENTER EMAIL

Tap for 'on TV Setup' / select menu button ...

6.8 ENTER PASSWORD

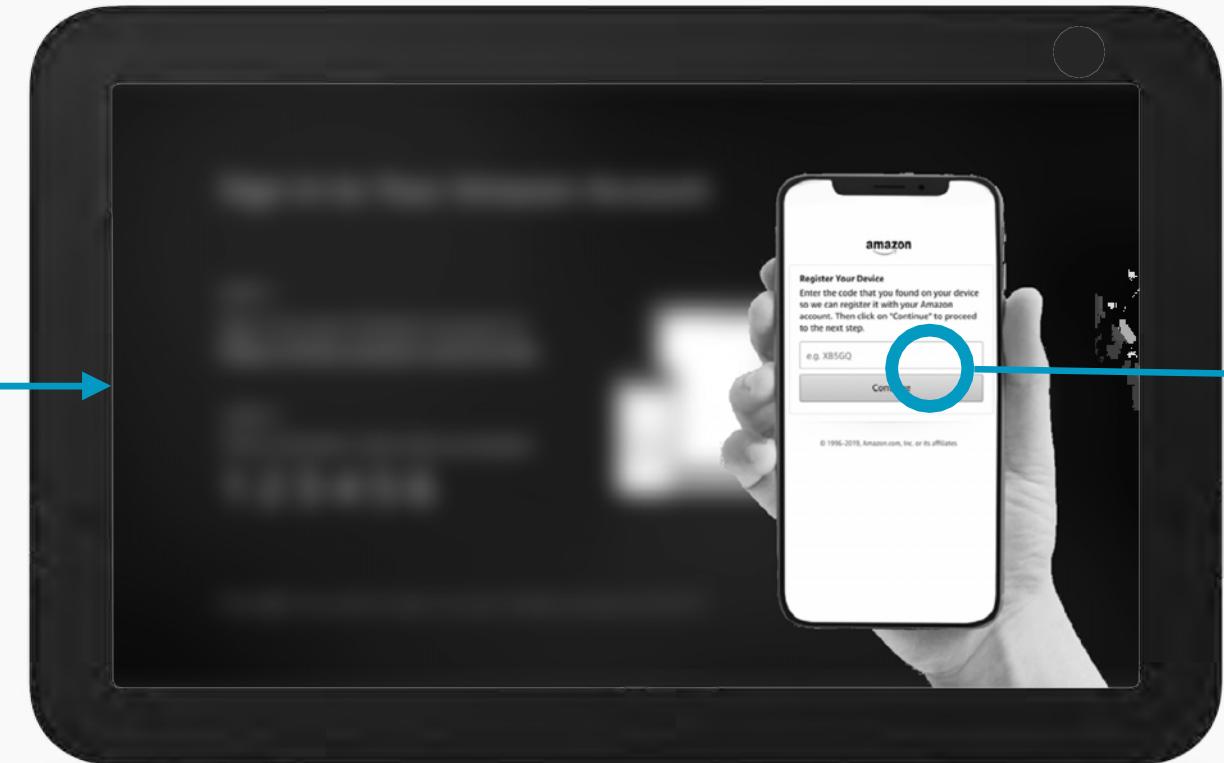
Entered Emailaddress...

Account SignIn



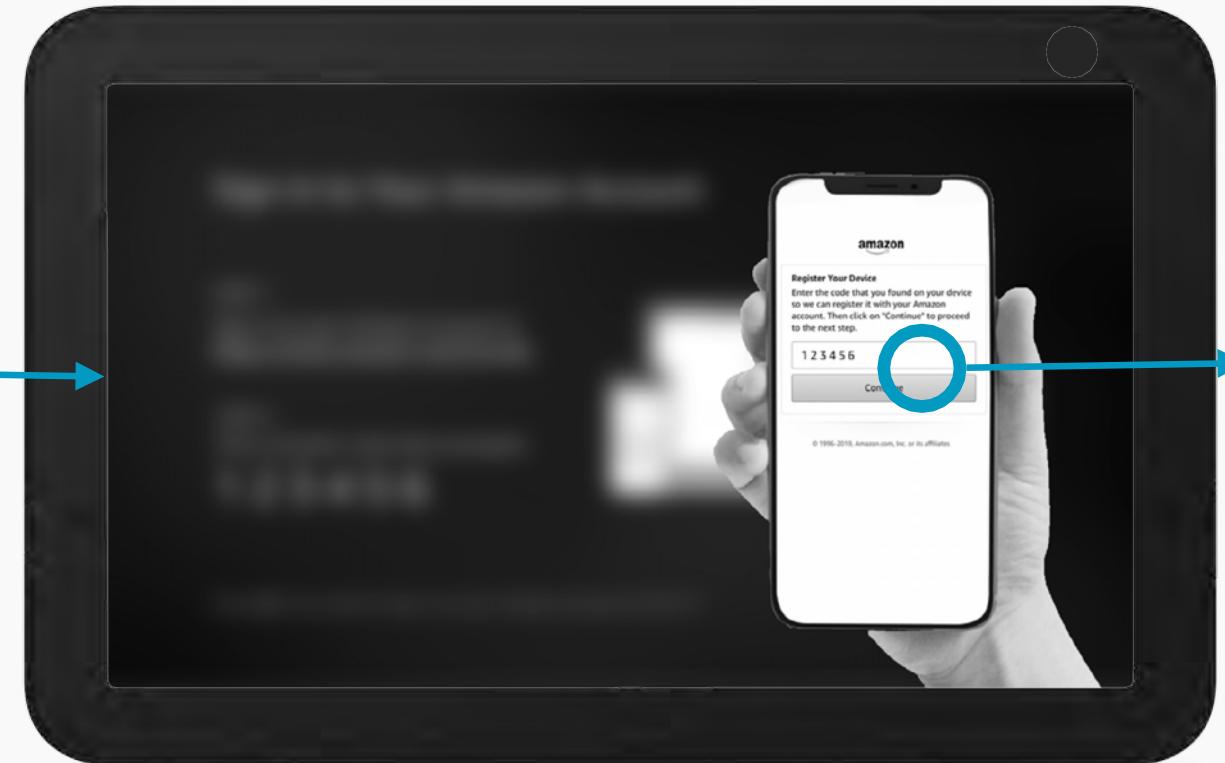
6.9 SIGN UP MOBILE ENTER EMAIL & PASSWORD

Sign up via mobile going to URL...



6.10 ENTER ACTIVATION CODE

Add email address &password...



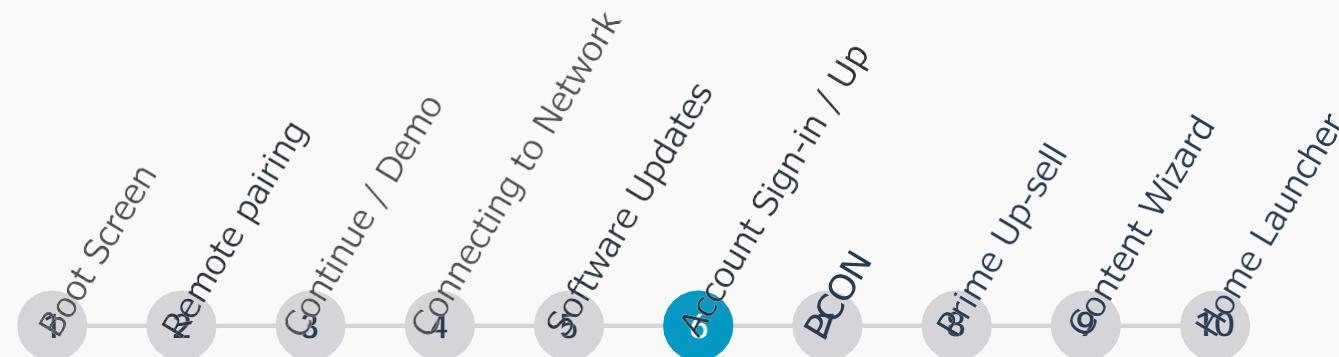
6.11 ACTIVATION CODE ADDED

Enter activation code...

Authenticates car to amazon account and will sign in to all screens

6.12

Account SignIn

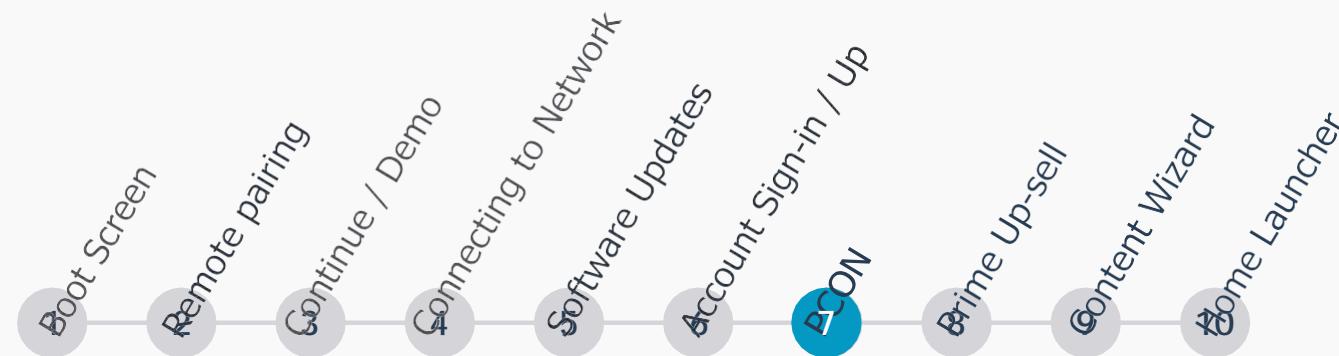


6.12 REGISTERING FIRE TV

Successful Activation...

6.13 ACCOUNT CONFIRMATION

Account registered...



7.1



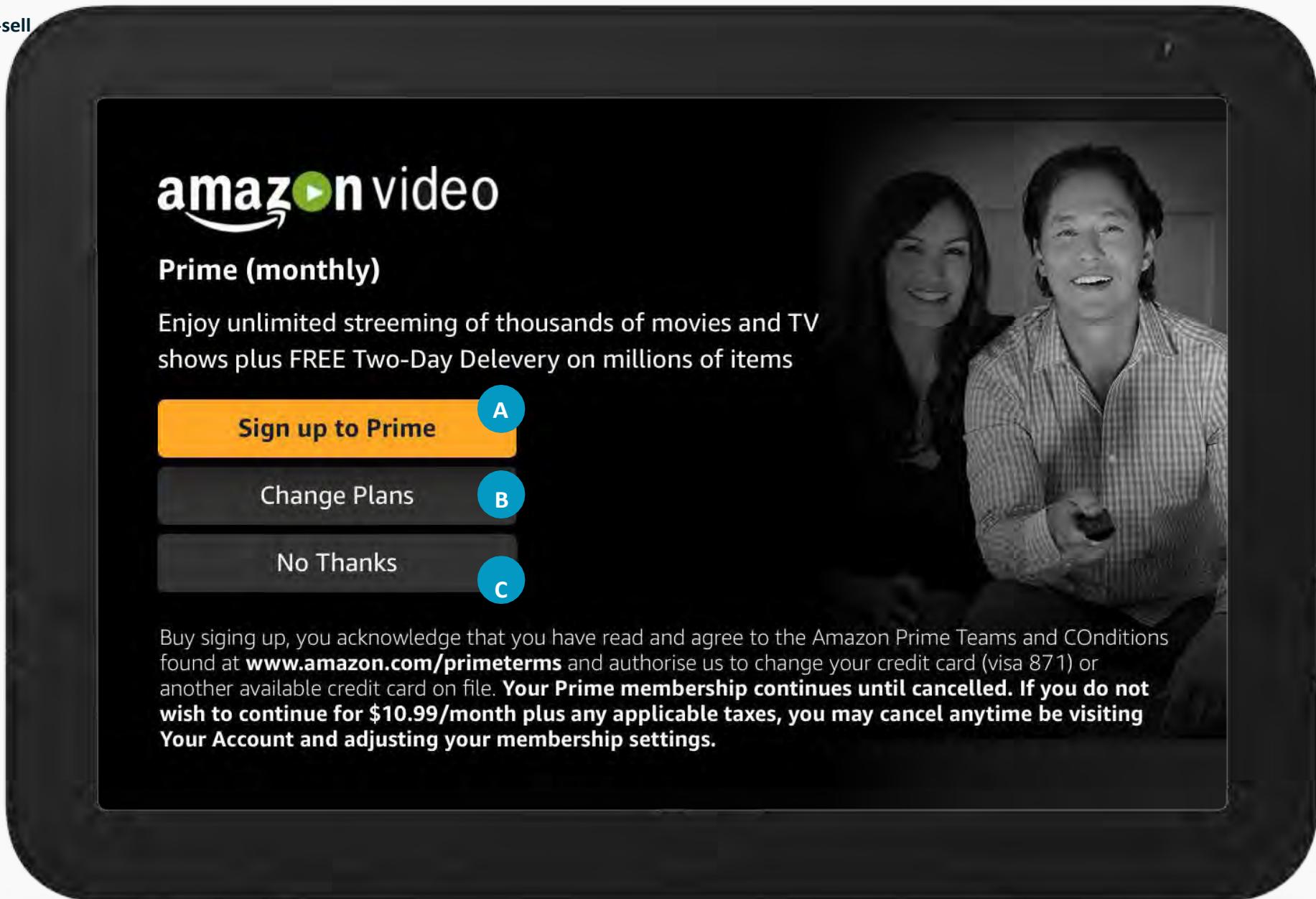
- A** **Enable parental controls** (adds pin code to select content, purchasing ,and settings)
- B** **No parental controls** (allows purchasing and video playback without pin)

Prime Up-sell



8.1

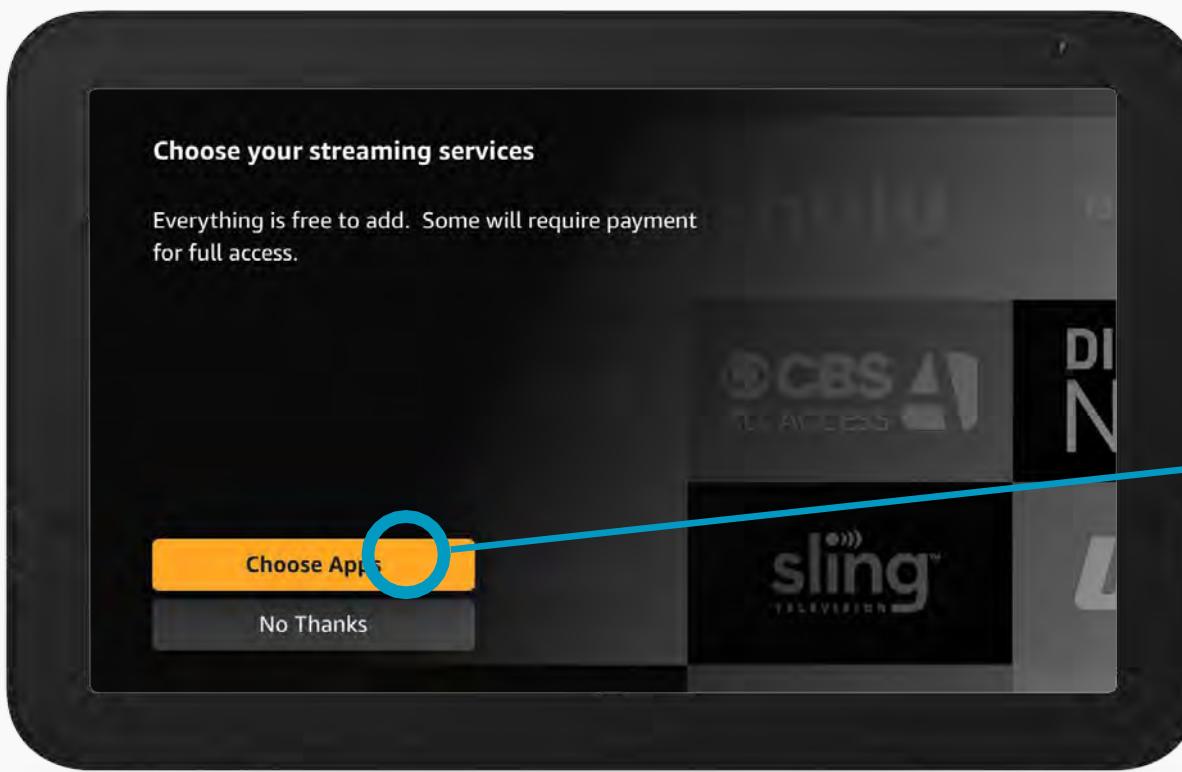
Prime Up-sell



Only shown for customers who are not prime members

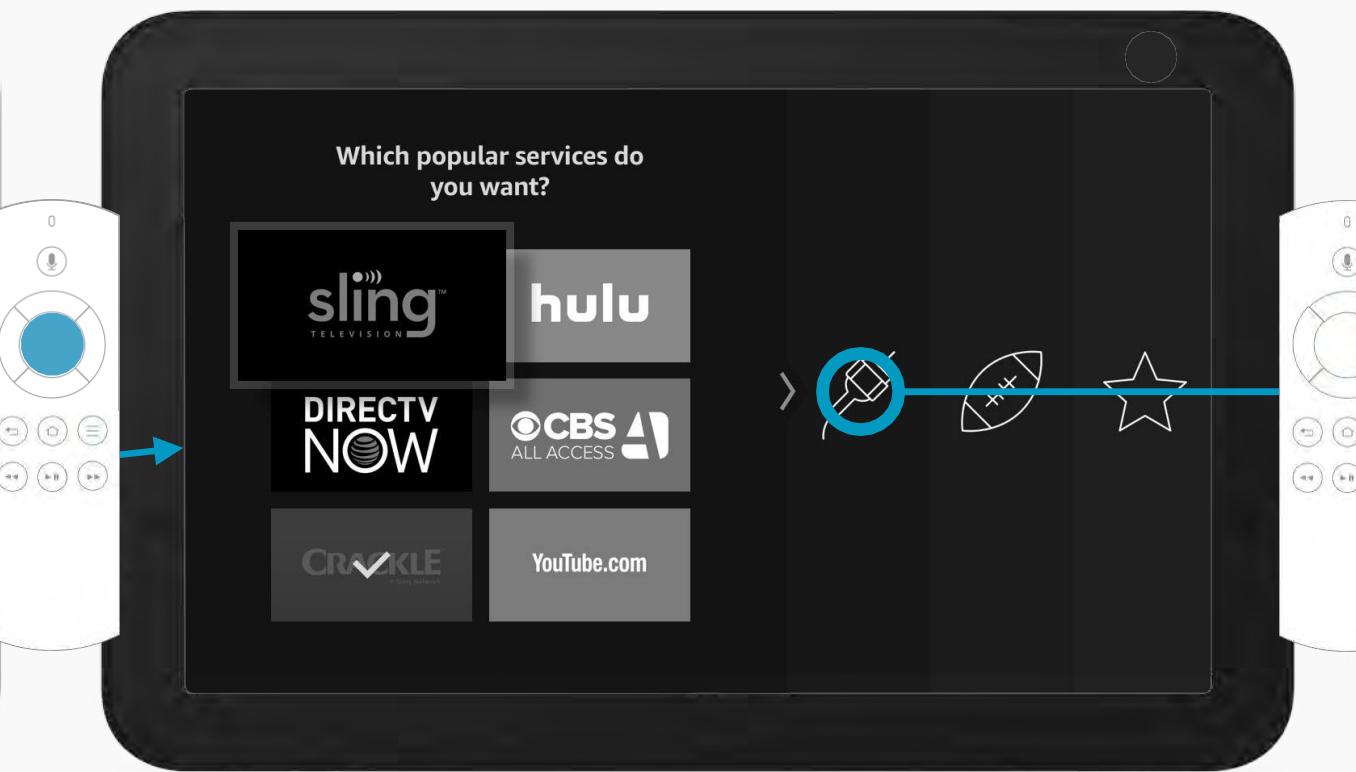
- A **Sign up to Prime (default focus)**
- B **Change Plans (touch or remote select)**
- C **No Thanks (touch or remote select to proceed to next screen)**

***Refer to app spec for additional details**



9.1 CHOOSE APPS?

After PCON and Prime Up-sell...



9.2 POPULAR SERVICES

Choose Apps...

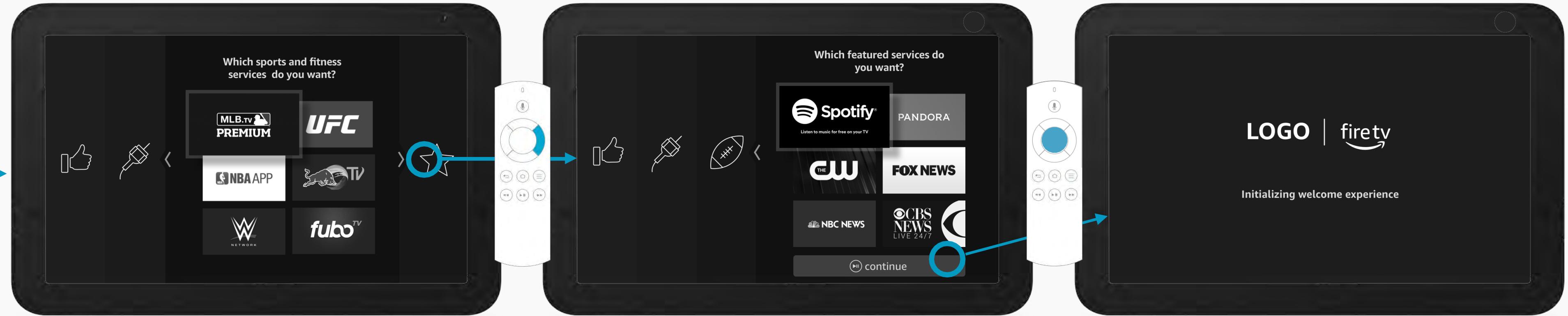


9.3 TVSERVICES

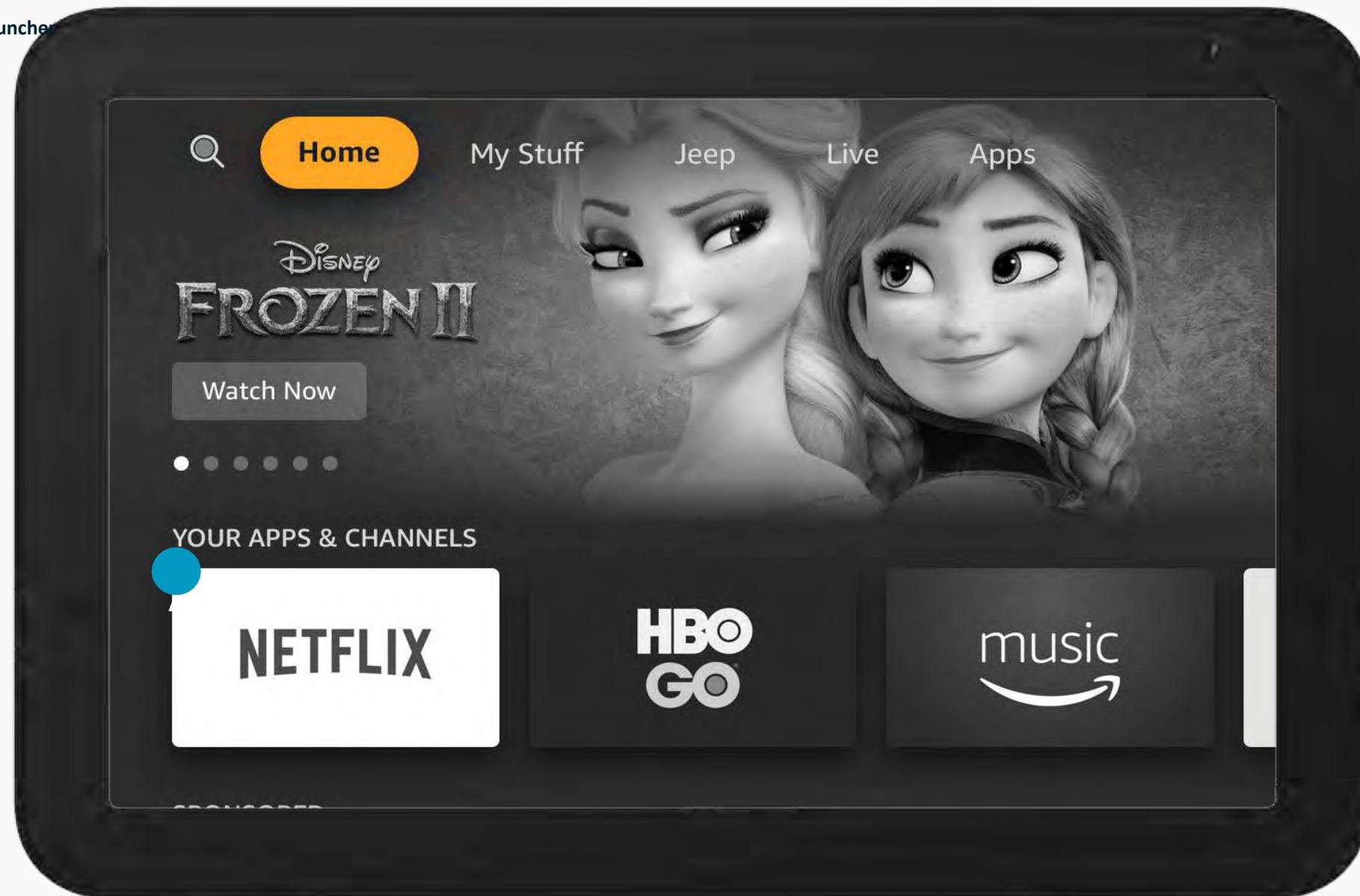
D-Pad Right or Tap Live...

Note: For ROW regions where apps are not available, content wizard will not appear at all in OOB.

Content Wizard



Home Launcher



10.1

A

On first launch after OOBE, the first row on home will be "your apps and channels" as there is no recent content

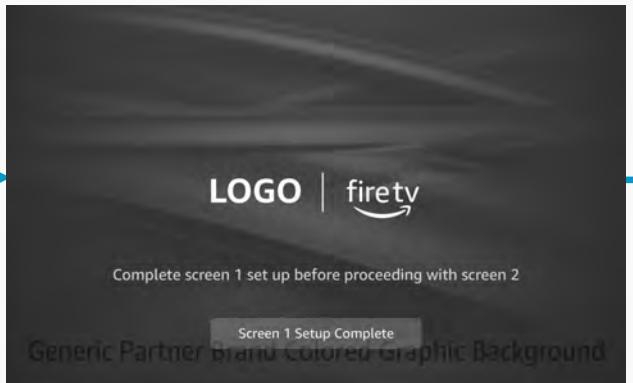
Overview: Screen2

Screen 2

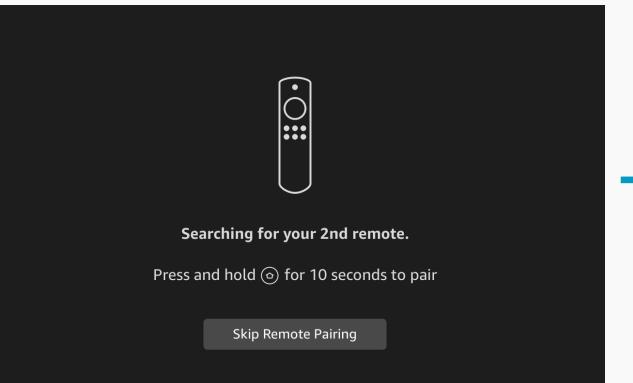
01. Cobranded Animated Boot



02. Hold Screen for Screen 1



03. Screen 2 remote pairing



04. Continue or Video Demo

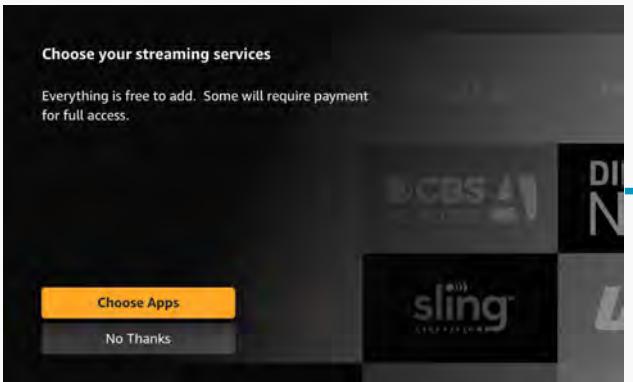


05. PCON



06

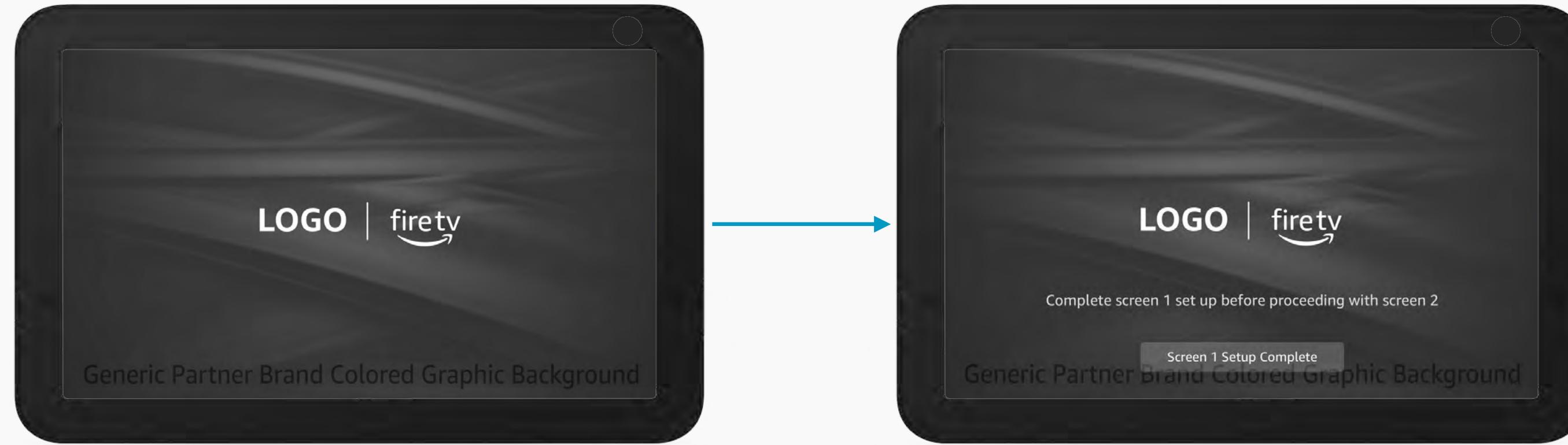
06. Content Wizard



07. Home



Boot Hold



1.1 ANIMATED BOOT

Turn on car...

1.2 BOOT HOLD UNTIL SCREEN 1 COMPLETE

Start setup on screen 1...

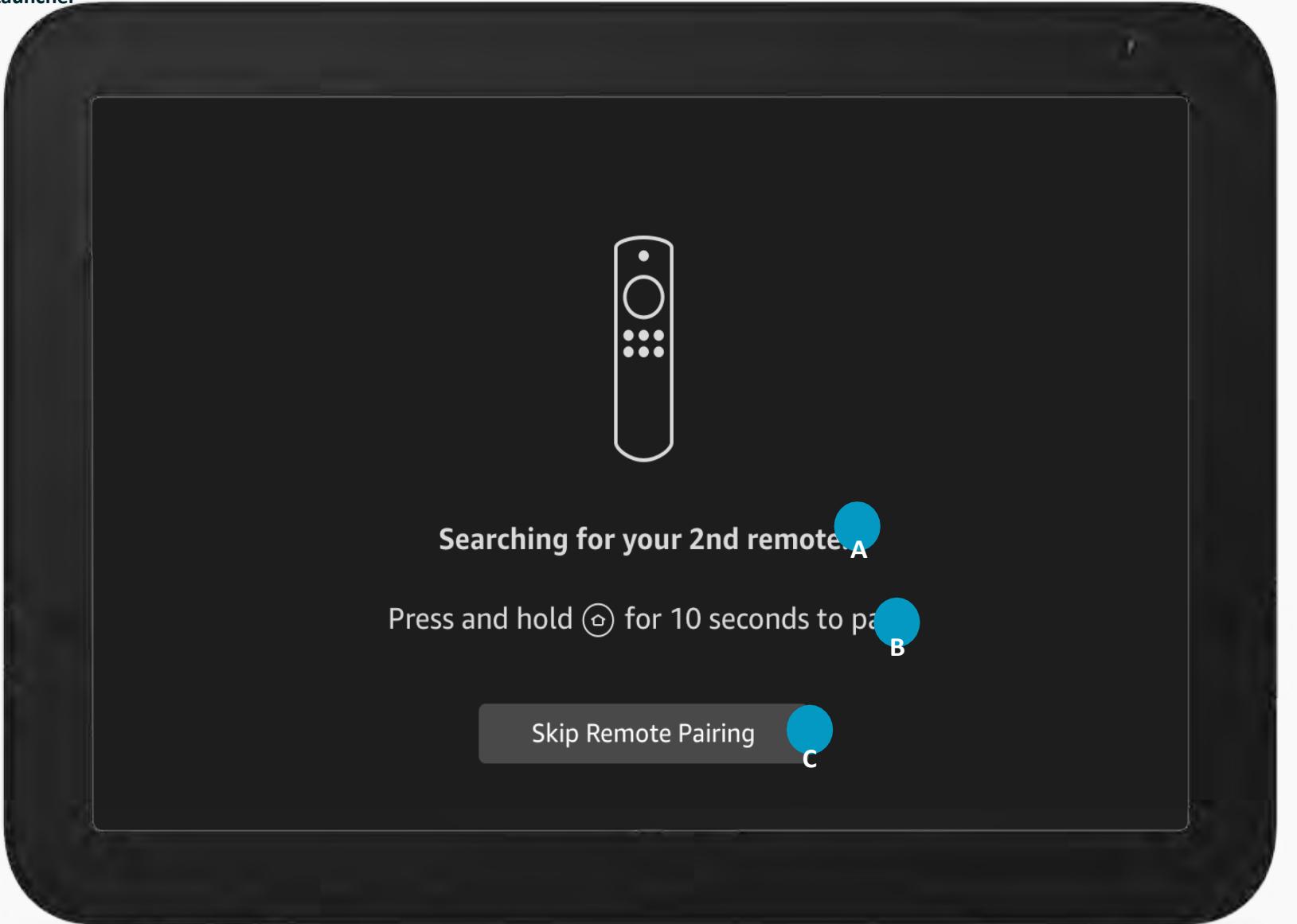
We will hold the screen here until screen 1 OOB is complete. This device will not be searching for a remote until it receives the signal from screen 1 or the customer manually advances.

Remote Pairing: Screen2



10.1

Home Launcher



A This device will only begin searching for a remote once it receives the signal from screen one to show this screen, or the customer explicitly advances by touching the confirmation button.

B The customer is required to long press the remote button to ensure it is an intentional action. At the time of long press the remote will be put into discovery mode to pair

C The customer can still choose to skip remote pairing in OOB and complete via touch. They will then need to navigate to settings after setup to pair the remote. Having this skip will support dealers reaching demo mode screen even in no connectivity or no remote in the car.



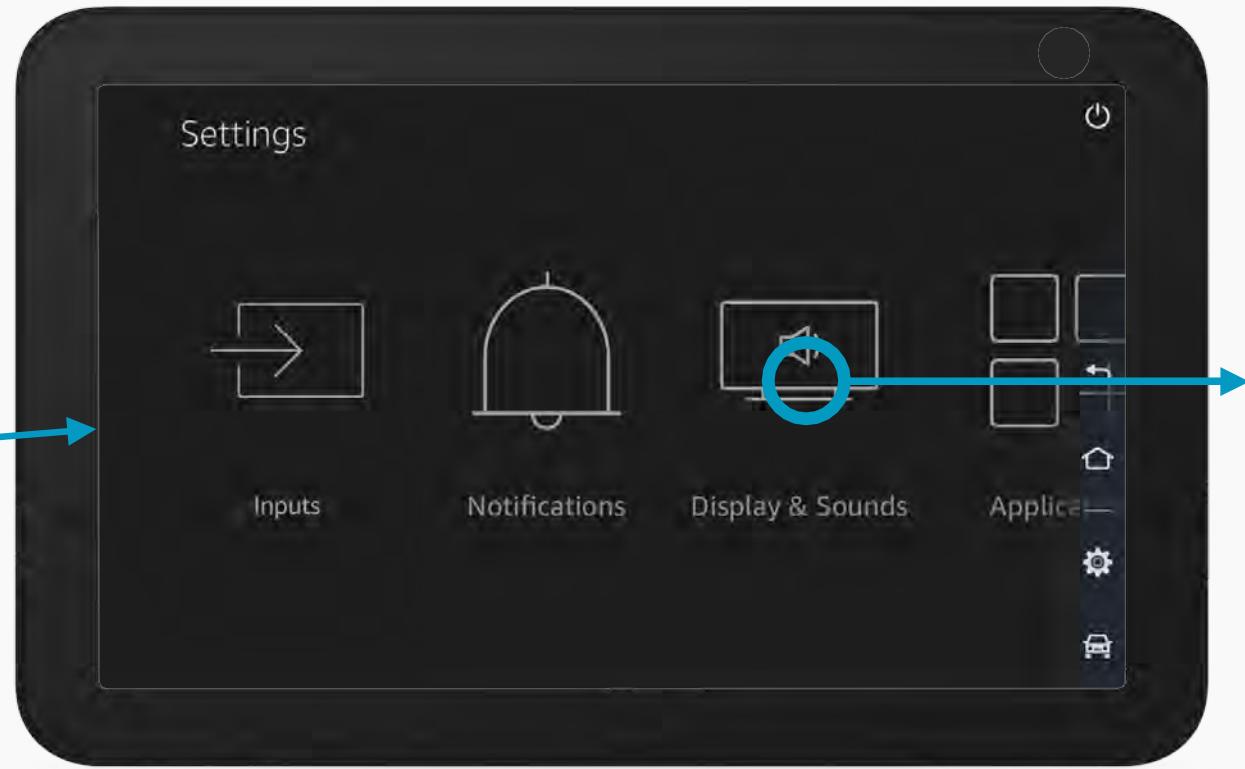
11.1 Home

Touchscreen on home...



11.2 HUD OPEN

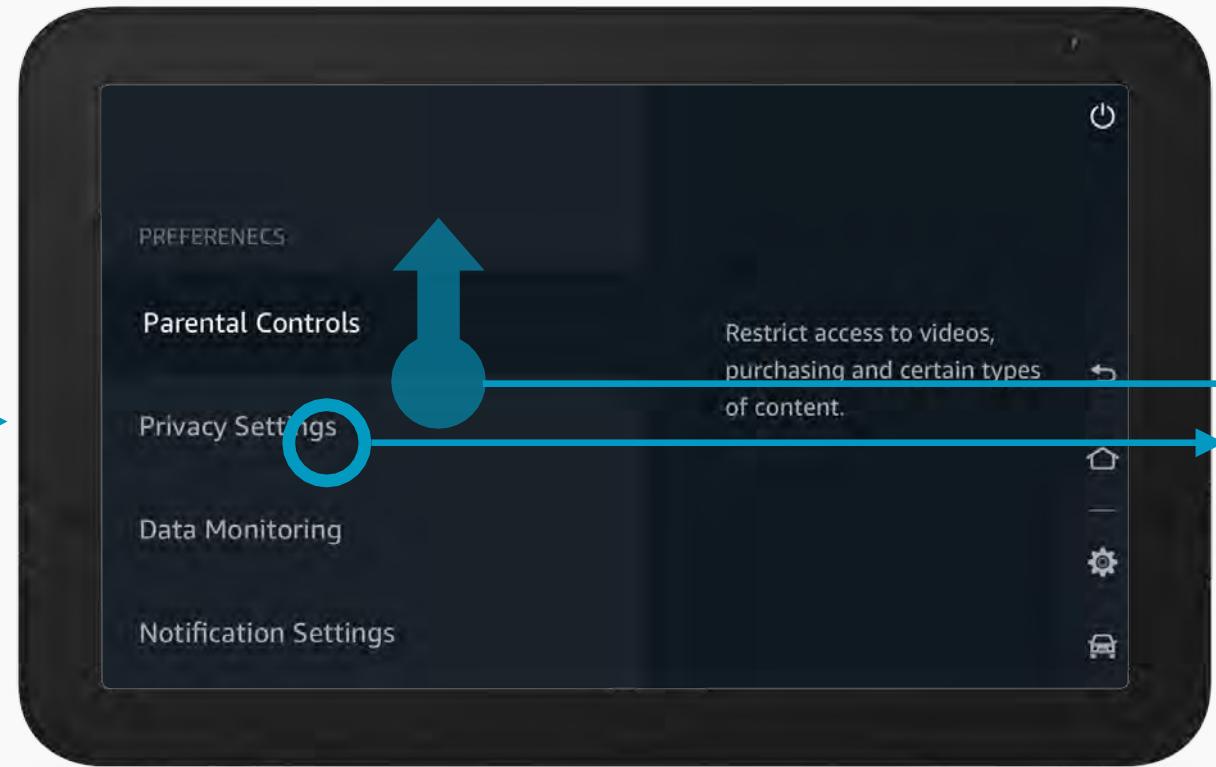
Bezel swipe from right to left to tap gear button on HUD...
Peek...



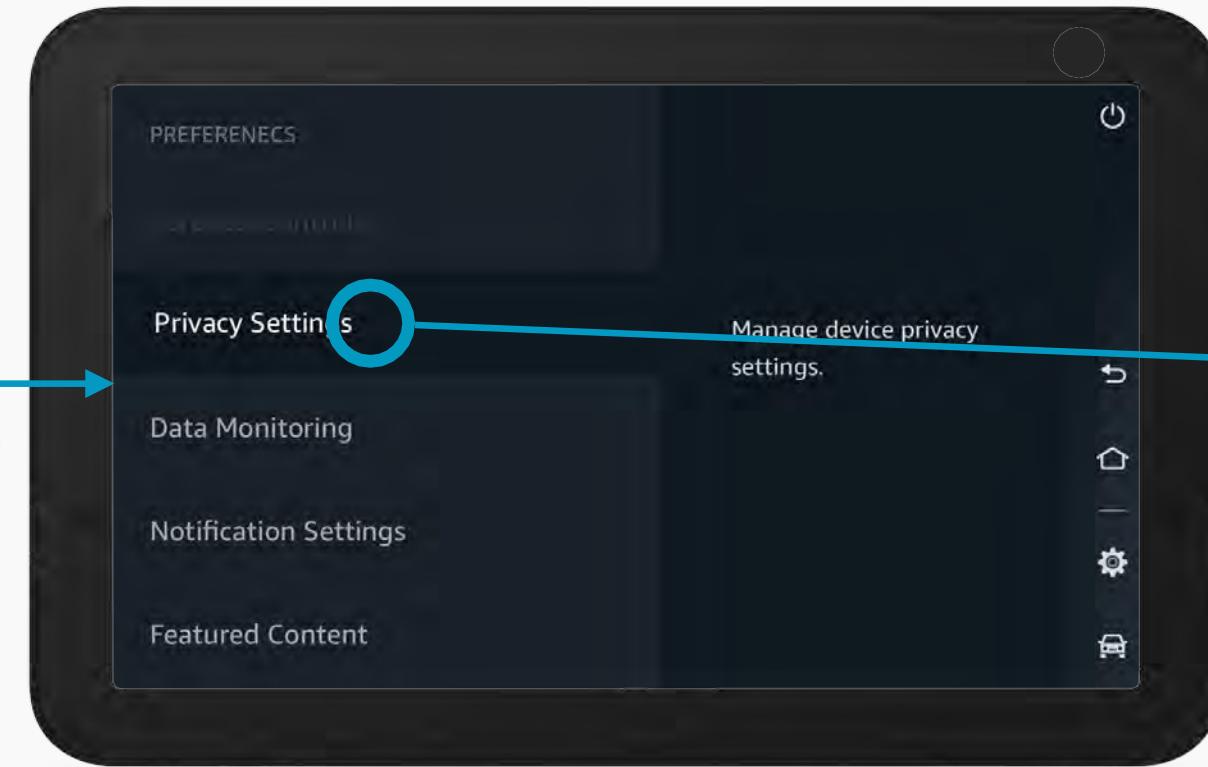
11.3 FULL SCREEN SETTINGS

Tap More Settings

11.4



11.3



11.6



11.4

11.7

11.4 PREFERENCES SETTINGS - TOP OF LIST

Tap on PreferencesSettings Node...

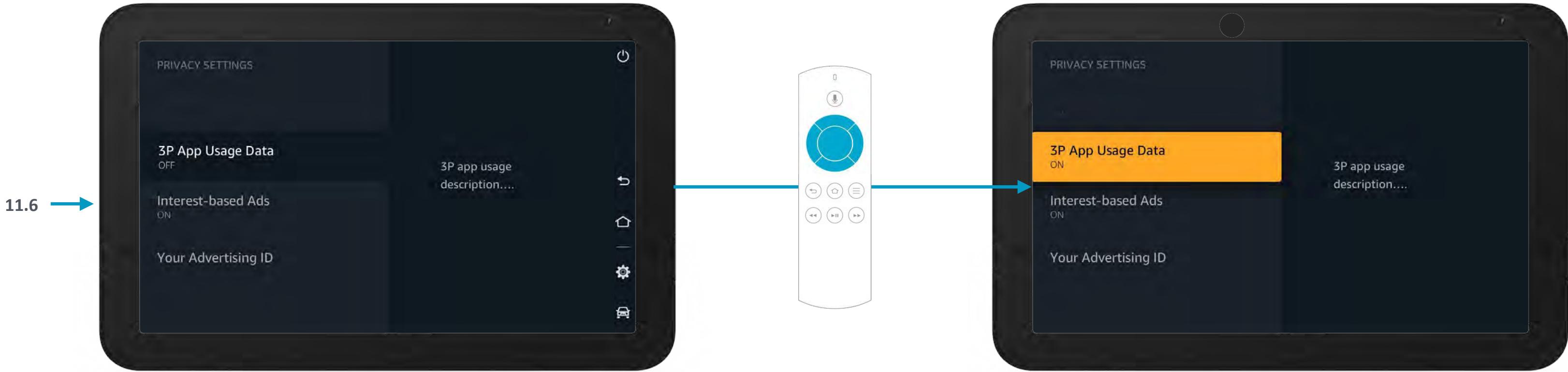
11.5 PREFERENCES SETTINGS-SCROLL

Swipe up Preferences SettingsList...

11.6 PRIVACY SETTINGS - TOP OF LIST

Tap on PrivacySetting...

Note: Header will still scroll up after moving from first item in touch and remote behavior.



11.7 PRIVACY SETTINGS - SCROLL

Tap 3P App Usage Data Setting when not selected...

Note: When the customer taps a toggle item by touch when it is not in the selected slot showing the description, it will take action to change the state and advance the item to the selected slot to reveal the info.

11.8 PRIVACY SETTINGS - SCROLLREMOTE

Customer picks up the remote and presses any D-Paddirection...

Note: The selected item will become in focus on first D-Pad action with remote, second action will begin navigation. HUD Peek is removed.

Troubleshooting

Symptom	Remedy
Monitor does not power on.	<ul style="list-style-type: none">Verify the vehicle is in the ON/RUN or ACC position.Verify the battery is installed in the remote control and fresh.Verify the fuse located in-line is good.
Remote control does not function.	<ul style="list-style-type: none">Verify that the battery in the remote control is fresh.Verify that the remote sensor lens is not obstructed.
Monitor frozen - does not respond	<ul style="list-style-type: none">Try to reset the monitor. This is done by pressing and holding the power button on the top of the monitor for at least 5 seconds. The monitor should shut off and restart, same as cycling the ignition key off, then back on.
No picture.	<ul style="list-style-type: none">Check that the signal source is connected.Check the menu source setting. Match your monitor mode with the source correctly.
Distorted picture.	<ul style="list-style-type: none">Check the disc for fingerprints and clean with a soft cloth, wiping from center to edge.
No sound or distorted sound.	<ul style="list-style-type: none">Make sure that the external media device is connected properly, and all cables are securely inserted into the appropriate jacks.Verify that the batteries in the headphones are fresh.If you are using the wireless headphones, make sure you turn on the power and select the correct monitor (A or B).Verify the volume is turned up on headphones.Verify nothing is blocking the path between the monitor IR sensor and headphones.When placing the headphones on your head, make sure to observe the Left and Right orientation. The headphones must be oriented correctly (facing forward) in order to receive the audio signal.
Monitor feels warm.	<ul style="list-style-type: none">When the monitor is in use for a long period of time, the surface will be warm. This is normal.
A Parental Setting message is displayed, prohibiting movie playback.	<ul style="list-style-type: none">Using the remote control, enter your 4-digit Parental Password and then press Enter. Refer to "Parental Controls" section for more details.

Specifications

LCD Backlight	LED
Resolution	1080p LCD Panel
Sources	USB, HDMI, FireTV
I/O Ports	3.5mm Headphone Jack, USB port, HDMI
Headphone (Audio Out)	IR headphones (included), Wired headphones (not included)
Video Display System	NTSC/PAL
HDMI Compliant	Version 1.4
Wireless Audio	Dual channel digital audio transmitter, supports stereo headphone operation (reception: 0.9 m; 80°, 1.8 m; 50°)

Compliance Information

FCC ID: Z3K-VRM

IC: 9930A-VRM

FCC Notice

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there

is no guarantee that interference will not occur in a particular installation. If this device does cause unacceptable interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult your dealer or an experienced radio/TV technician for help.

FCC Warning:

To assure continued FCC compliance, the user must use the provided grounded power supply cord and the shielded video interface cable with bonded ferrite cores. Also, any unauthorized change or modifications to this device would void the user's authority to operate this device.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



ISED Notice:

This Class B digital apparatus complies with Canadian ICES-003.

Cet Appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RSS-247 6.4(5)

- (i) the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250–5350 MHz and 5470–5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
- (iii) for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725–5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and
- (iv) the worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in Section 6.2.2(3) shall be clearly indicated.

- (i) l'appareil pour fonctionner dans la bande 5150-5250 MHz est réservé à une utilisation en intérieur afin de réduire les risques d'interférences nuisibles à la co-canal systèmes mobiles par satellite;
- (ii) pour les appareils avec antenne (s) détachable, le gain d'antenne maximal autorisé pour les appareils dans les bandes 5250-5350 MHz et 5470-5725 MHz doit être telle que l'équipement satisfait encore la pire limite;
- (iii) pour les appareils avec antenne (s) détachable, le gain d'antenne maximal autorisé pour les appareils dans la bande 5725-5850 MHz doit être telle que l'équipement satisfait encore la pire limite spécifiées pour le point-à-point et non point-à-point, le cas échéant; opération et (iv) l'angle d'inclinaison du pire (s) nécessaire pour rester conforme à la pire exigence de masque d'élévation énoncées dans la section 6.2.2 (3) doit être clairement indiqué.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC RSS-102 définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

Compliance Information

WEEE Notice

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)



This symbol on the product or on its packaging indicates that device shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this device is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this device. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this device, please contact your local city office, your household waste disposal service or the shop where you purchased the device. Applicable accessory: remote control.

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