Pine Belt® TV

KAON Set-Top Box & Remote

KSTB2020

Installation Guide

Rev. 072619

Blonder Tongue

PHYSICAL INSTALL

The KSTB2020 set-top box should be placed in a location away from direct or indirect heat sources.

Remote Operating in IR Mode

With the remote operating in IR mode, it is recommended that the KSTB2020 be placed in sight for the end user. The IR sensor is in center of the front face plate.

Remote Operating in RF4CE Mode

With the remote operating in RF mode, the KSTB2020 may be placed out of sight for the end user. This may include behind a wall-mounted TV or in a TV cabinet.

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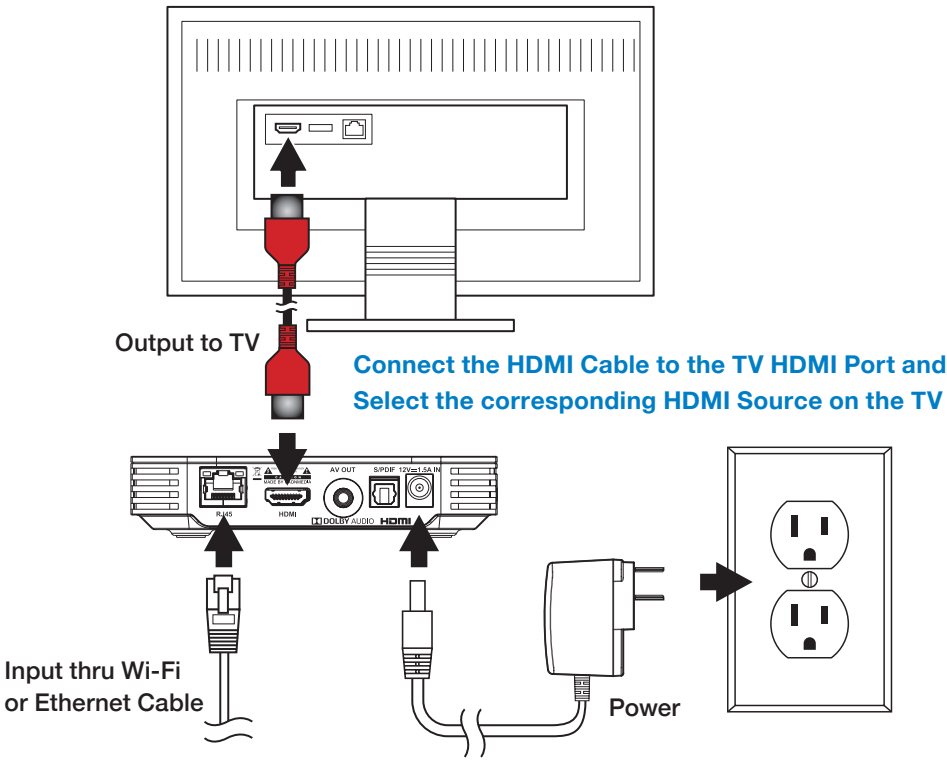
HDMI Cable Connection

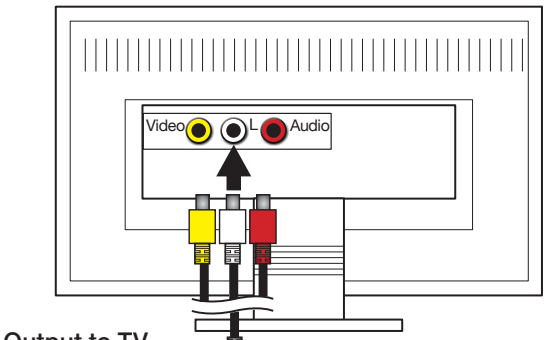
What You Need

- A high-definition TV that can support 720p, 1080p or 4K UHD
- A broadband Internet connection that supports a wired or wireless in home network (802.11 a, b, g, n, or ac)
- Pay TV Operator login credentials (mandatory)
- Google login credentials (optional)



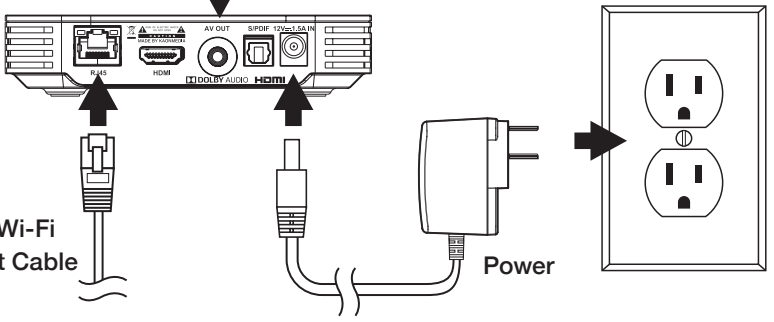
Analog Composite Breakout Cable Connection

Connect the analog composite cable as shown below. This connection scheme should only be used if the TV does not have an HDMI port.



Output to TV

Connect the Analog Composite to the TV Ports and Select the corresponding AV Source on the TV



Input thru Wi-Fi or Ethernet Cable

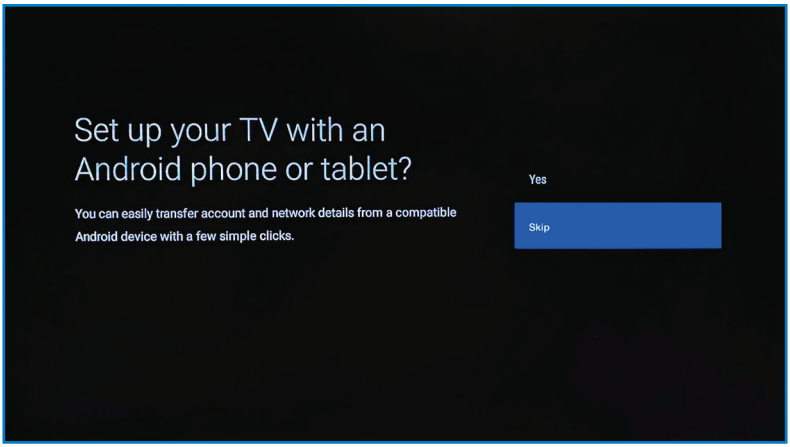
Connect the Ethernet Cable to a Router *(Optional)*

Power

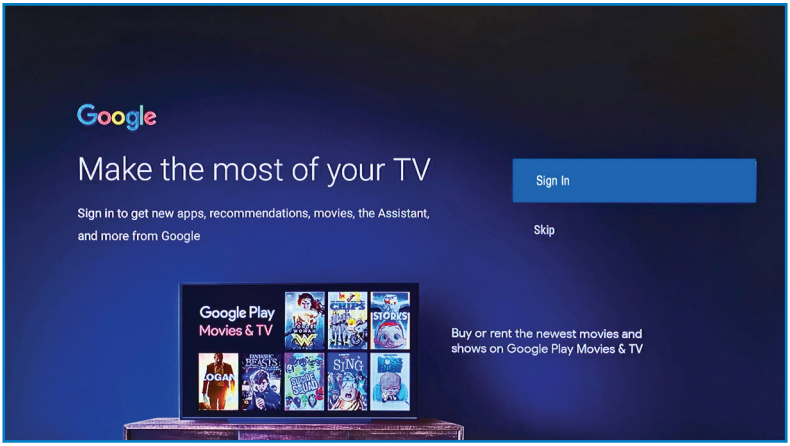
Connect the Power Adapter (100 ~ 240V AC, 50/60 Hz)

INITIAL BOX POWER ON

The following screens describe the remote key sequences required to setup the KSTB2020. When powered up and fully booted, the box will start on this screen.



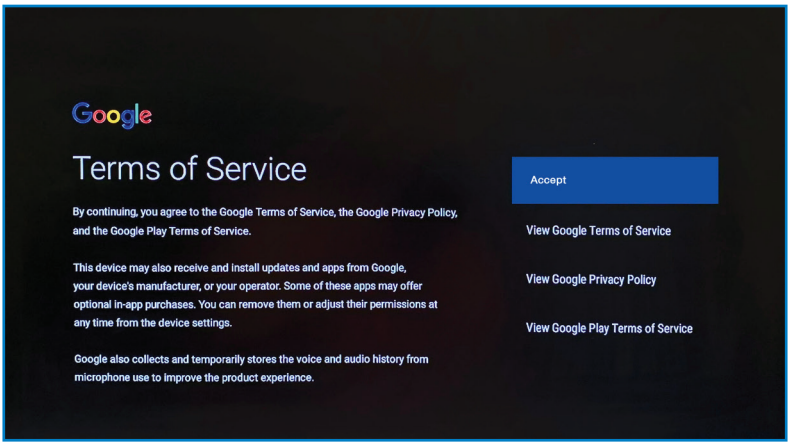
Select **Skip** and press **OK** to continue. The following screen will be displayed.



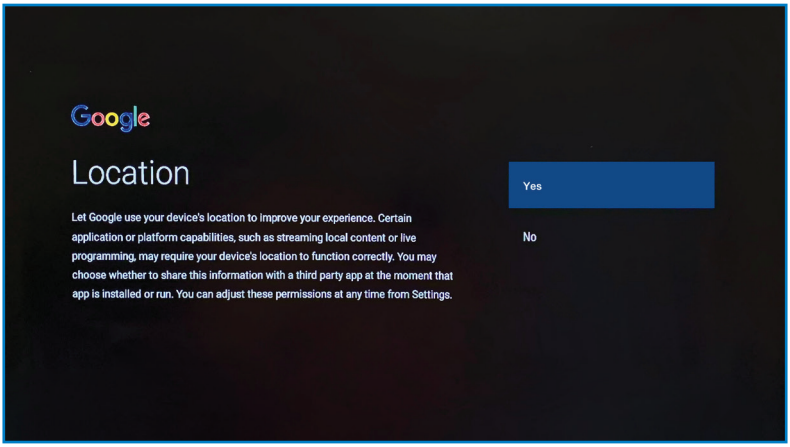
If the end user wishes to login with their Google ID they may do so at this point. If not, select **Skip** and press **OK** to continue.

Once logged in, the following Terms of Service screen will be displayed.

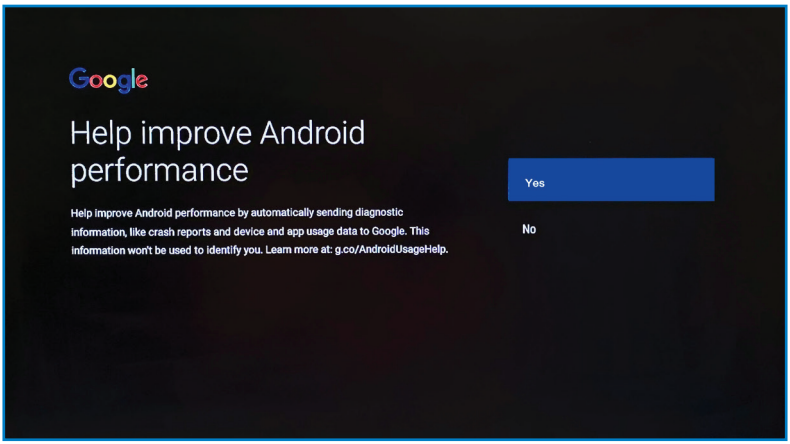
Select **Accept** and press **OK** to continue.



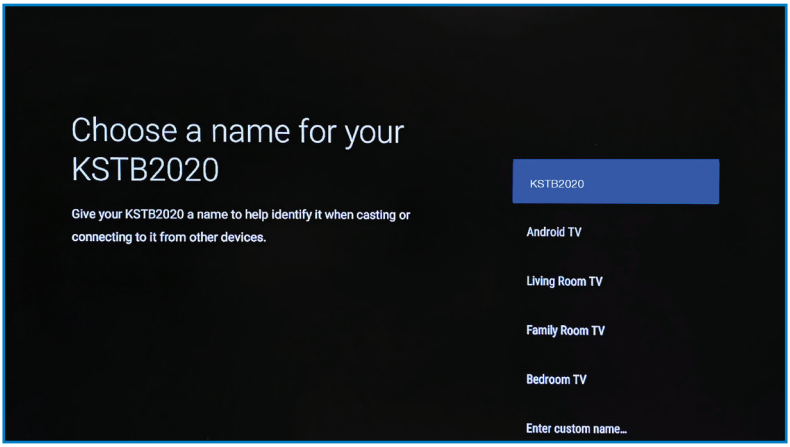
Select **Yes** on the Location screen and press **OK** to continue.



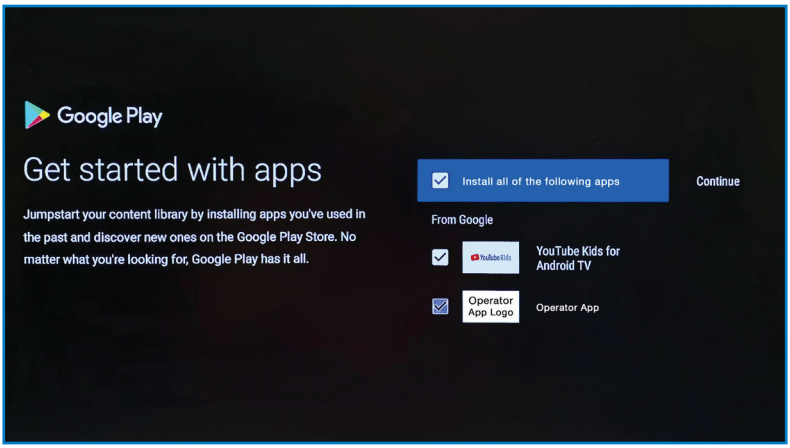
On the Help Improve screen, select **Yes** and press **OK** to continue.



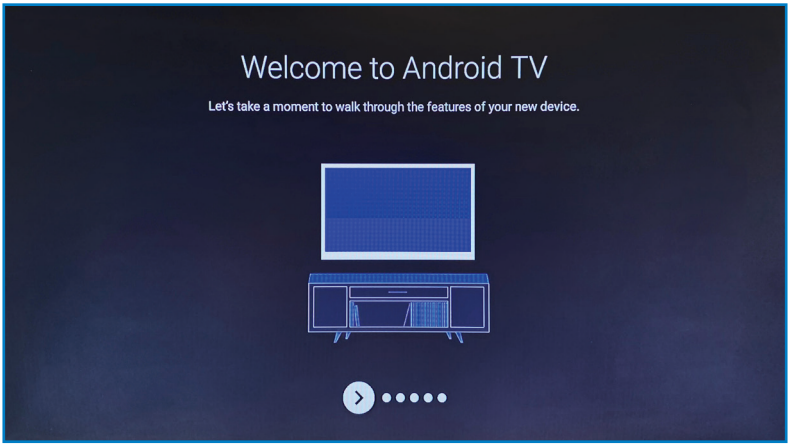
On the Choose a Name screen, select the appropriate name for the unit and press **OK** to continue.



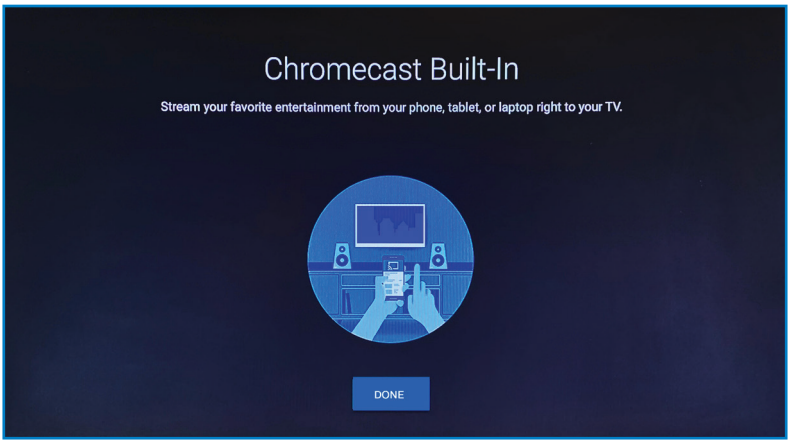
The following Get Started screen will display the login where the operator specific app will be located. This app cannot be unselected. Select **Continue** and press **OK** to get to the next screen.



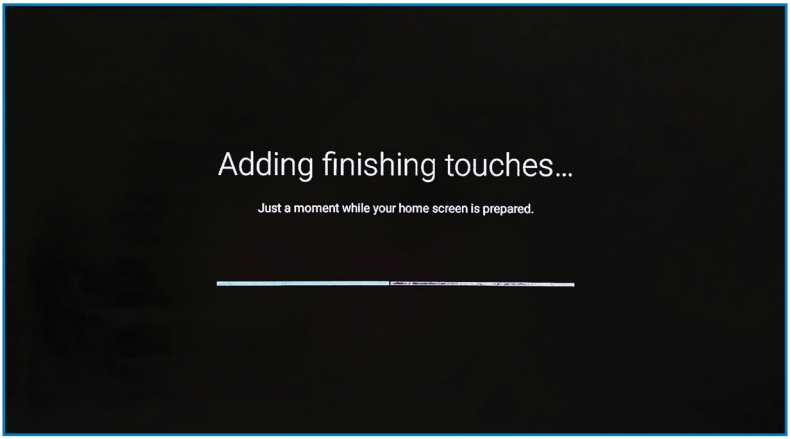
On the Welcome screen, arrow right five times to get to the next screen.



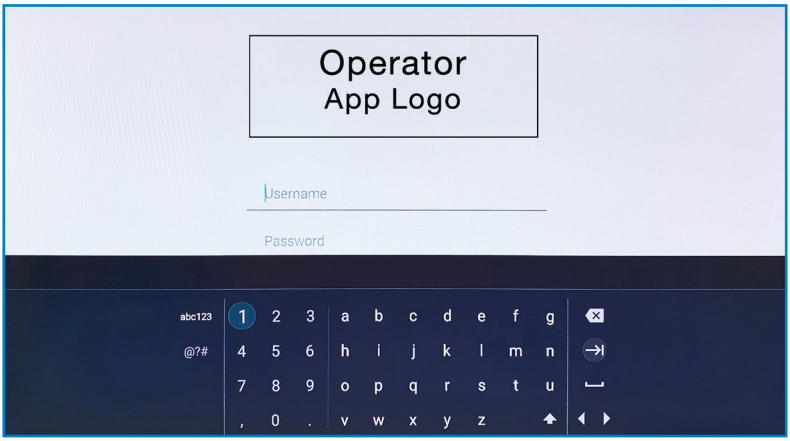
Select **Done** and press **OK** to continue.



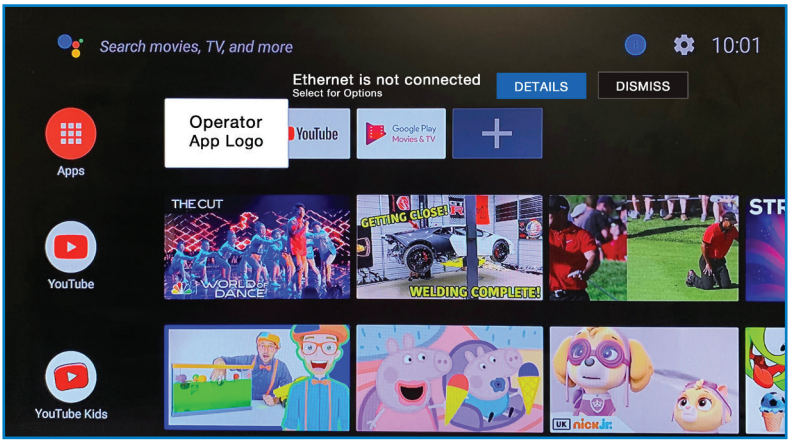
When it is finished processing, the Operator Login screen will be displayed.



An example operator login screen is shown. This will be unique for each operator. Credentials may be entered using the remote or via a USB keyboard (recommended).



Once logged in the following screen will be displayed. Select “details” to be prompted for Wi-Fi network section and sign in. Alternately an Ethernet cable may be connected at this time.



NETWORK SETUP

Wi-Fi Requirements

Wi-Fi networks should be 802.11n or better (802.11AC/AX preferred). The KSTB2020 should be placed in such a fashion that the Wi-Fi signal strength is strong or very strong (as a minimum). To connect the STB to the Wi-Fi network

Wi-Fi connection automatic setup using WPS

Navigate to the Android main menu by pressing the following key sequences:

Home → Settings → Network → Wi-Fi → Select to enable.

Once Wi-Fi has been enabled, using the remote scroll down and select “Connect via WPS”. Once selected press the WPS button on the home Wi-Fi router. The KSTB2020 will automatically connect to the Wi-Fi network.

Ensure that Wi-Fi network signal strength is strong or very strong .

If the signal strength is not strong or very strong consider moving the router and STB close to one another if possible. If router/STB repositioning is not feasible Wi-Fi extension, MoCA extension or physical cable connection must be considered. Cables must be CAT-5/5e/6 compliant.

Wi-Fi connection manual setup

Navigate to the Android main menu by pressing the following key sequences:

Home → Settings → Network → Wi-Fi → Select to enable.

Once Wi-Fi has been enabled, using the remote scroll down and select the required network and press **OK**. When prompted, enter your Wi-Fi password using the remote. Alternately, a USB keyboard may be plugged into the USB port of the KSTB2020. Type password on keyboard as required.

Ensure that Wi-Fi network signal strength is strong or very strong .

Hard Wired Ethernet Requirements

If the home router is near the Set Top Box location, a CAT-5/5e/6 Ethernet cable may be used for Internet connectivity. Plug one end of the CAT-5/5e/6 cable into the KSTB2020 RJ-45 port. Plug the other end of the cable into any LAN port of the home router.

SERVICE VALIDATION

RCU/STB Operation

Once STB has been installed and user credentials have been entered, the installer should confirm that remote works as expected with STB. Installer should check the following buttons for correct operation.

- Volume up/down
- Channel up/down
- Menu
- Home
- Guide
- Shows
- Movies

General Video Quality

Installer should validate that overall video quality is as expected. If possible, tune to a channel with fast moving scenes (e.g. football or hockey game).

Signal Strength Validation

Signal strength may be checked via the network sub-menu in the Android main menu.

Using the remote and android menu navigate to the following:

Home → Settings → Network

Ensure that Wi-Fi network signal strength is strong or very strong.

STB Wi-Fi connection signal strength may also be validated using remote management tools.