BILL'S HOME TECH
Home & Small Business Tech Solutions

BILL'S COMPLETE MANUALS

Google TV

Streaming on your TV, the Google way — explained in plain English, one step at a time

A plain-English guide to Chromecast & Google TV

All your shows, one simple remote

Written for you by Bill — Bill's Home Tech

(330) 200-8042 · BillsHomeTech.com

Covers Chromecast & Google TV devices · facts current November 2026

What's Inside

This is your Google TV and Chromecast manual. Read it in any order and at your own pace. It explains, in plain English, what these little devices do, how to plug one in and set it up, how to use the remote and your voice, how "casting" from your phone works, and how to find everything you want to watch.

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PART 1

Meet Google TV & Chromecast

What these little devices do, the two ideas behind them, which one you have, the parts, and what you need to get started.

CHAPTER 1

A Note from Bill

Hello, and welcome. If you've got a little **Chromecast** or **Google TV** device plugged into your television — or you're thinking about one — and you'd like to understand how it works and get the most from it, this book is for **you**. These little gadgets turn any TV into a streaming machine, and they're easier to use than they first appear.

I'm Bill. Helping folks feel at home with their technology is what I do every day, and I wrote this book the way I'd set it up sitting beside you on the couch: slowly, in plain English, with no jargon. The moment I use a term you don't know, I'll stop and explain it.

What this little device does

In plain terms, a Google TV or Chromecast device **brings streaming to your television** — all the shows, movies, and videos from services like Netflix, YouTube, and more, right on your TV screen. It plugs into your TV, connects to your home internet, and gives you a friendly menu of everything to watch, controlled by a simple remote or even your voice. For enjoying the whole world of streaming on your big TV, it's a wonderful little tool.

WHAT THIS DOES FOR YOU

What this book will do for you

A clear understanding of what your Google TV or Chromecast is, how to set it up, how to use the remote and find shows, and the clever trick called "casting" that sends video from your phone to the TV. By the end, your device will be set up just how you like it, and watching what you want will be effortless.

You can't break it, and I'm a call away

The setup is the fiddliest part, and even that's manageable with a little patience. Once it's done, using it is easy, and you can't break anything by exploring the menus. And if you ever get stuck, you're never stuck alone — call me at **(330) 200-8042** and we'll sort it out together.

— Bill

CHAPTER 2

What It Is, in Plain English

Let's start simple. A **Chromecast** or **Google TV** device is a small gadget, made by Google, that plugs into your television and lets you watch **streaming** — video over the internet — on your TV. It's small (a little box or a thumb-sized stick), inexpensive, and turns any television with the right socket into a full streaming machine.

Streaming, in a sentence

Streaming is simply watching video over the internet, as it arrives, rather than from a cable line or a DVD. Netflix, YouTube, and all the rest work this way. Your Google TV device uses your home internet to fetch shows and play them on your TV. That's the whole idea — the internet carries the picture to your television, and this little device is the doorway.

Why these devices are so popular

- **Inexpensive** — a modest one-time cost turns any TV into a smart streaming TV.
- **Works with almost any TV** that has an HDMI socket (most from the last fifteen years).
- **All your services in one place** — Netflix, YouTube, and more, on one friendly menu.
- **Controlled simply** — a small remote, and even your voice.
- **From Google** — so it works beautifully with Android phones, Google services, and casting from your phone.

GOOD TO KNOW

It can rejuvenate an old TV

Here's a happy point: you don't need a new television to enjoy streaming. A cheap Google TV or Chromecast device plugged into a ten-year-old TV turns it into a full streaming machine, with all the modern apps and a friendly menu. So don't let "but my TV is old" stop you — as long as it has an HDMI socket (most do), one of these little devices brings it right up to date.

WHAT THIS DOES FOR YOU

The whole world of streaming, on your TV

A Google TV or Chromecast device opens your television to thousands of shows, movies, and videos — all the streaming services, plus free content and your own videos — on the big screen, for a small one-time cost. For enjoying modern streaming without buying a whole new TV, it's a simple, affordable little marvel.

CHAPTER 3

Two Ideas: Google TV & Casting

To really understand these devices, it helps to grasp two ideas that work together: **Google TV** (the on-screen menu) and **casting** (sending video from your phone). They sound technical, but they're simple once explained, and knowing the difference clears up a lot of confusion.

Google TV: the menu on your TV

Google TV is the friendly *menu* you see on your television screen — a home page with all your apps (Netflix, YouTube, and so on), rows of show suggestions, and a search. You browse it with the remote, pick what to watch, and it plays. Think of it as the TV's own front page, run by this little device. Newer devices (like the Google TV Streamer and the Chromecast with Google TV) have this full menu and a remote.

Casting: sending from your phone

Casting (also "Chromecast") is a clever trick where you start a video on your *phone* and send it up to the TV with a tap. The phone becomes a remote; the TV does the showing. This is the original Chromecast idea — the very first Chromecast devices did *only* this, with no on-screen menu of their own. Newer devices do both: they have the Google TV menu *and* can receive casts from your phone.

How they fit together

So: **Google TV** is browsing and watching with the remote, right on the TV. **Casting** is sending something from your phone to the TV. Modern Google TV devices do both, and you'll use whichever is handier for the moment — the remote and menu for settling in to watch, casting for quickly throwing a video from your phone onto the big screen.

GOOD TO KNOW

Which does your device do?

A quick guide: if your device came with a **remote** and shows a menu of apps on your TV, it's a Google TV device (and it can also receive casts). If it's an older, remote-less **Chromecast** that only works by sending video from your phone, it's a casting-only device. Most devices sold in recent years are the fuller Google TV kind, with both the menu and casting. Knowing which you have tells you which parts of this book apply.

WHAT THIS DOES FOR YOU

Two ways to watch, one device

Understanding Google TV (the menu) and casting (sending from your phone) — and that modern devices do both — means you can watch whichever way suits the moment. Settle in with the remote and the menu, or fling a video from your phone to the TV in a tap. Two handy ways to enjoy the big screen, from one little device.

CHAPTER 4

The Parts & What You Need

Let's look at what comes with the device and what you'll need to get it going. It's a short list, and you likely have most of it already.

What's in the box

- **The device itself** — a small box or a thumb-sized stick that plugs into your TV.
- **A remote** (on Google TV devices) — a small, simple remote, often with a microphone button for voice.
- **A power cable** — the device needs power, from the wall or sometimes a USB socket on the TV.
- **Sometimes an HDMI extender** — a little adapter to help it fit behind a crowded TV.

What you'll need

- **A TV with an HDMI socket** — the flat, wide slot on the back or side of the TV (most TVs from the last fifteen years have one).
- **Home Wi-Fi** and its password — the device streams over your home internet.
- **A Google account** (a Gmail address) — to sign in and get your apps. You likely have one, or can create one.
- **A smartphone or tablet** with the **Google Home app** — used to help set it up, and for casting.
- **Subscriptions** to any services you want (Netflix, etc.) — the device gives you the apps, but paid services still need their own accounts.

TIP

Decent internet makes all the difference

Streaming needs a reasonable internet connection — most home internet is plenty, but if your Wi-Fi is weak where the TV sits, you may get pausing or buffering. If you've had trouble streaming before, that's usually a Wi-Fi-reaching-the-TV issue, not the device. We'll cover fixes later, but it's worth knowing that good Wi-Fi at the TV is the foundation of smooth streaming.

WHAT THIS DOES FOR YOU

Ready to set up, with no surprises

A quick check that you have an HDMI socket, your Wi-Fi details, a Google account, and your phone with the Google Home app means setup goes smoothly with nothing missing. A few minutes gathering what you need, and you're all set to bring the whole world of streaming to your television.

CHAPTER 5

Do You Already Have This Built In?

Before you buy or fuss with a separate Google TV device, here's a question worth settling: **does your television already have streaming built in?** Many modern TVs do — and if yours does, you may not need a separate device at all, or you may simply prefer one. Let's sort this out, because it saves confusion and sometimes money.

Smart TVs and built-in streaming

A **smart TV** is a television with streaming apps built right in — its own home screen, its own Netflix and YouTube, controlled by the TV's own remote. If your TV is fairly new and shows app tiles and an internet connection when you turn it on, it's a smart TV, and it can stream with no extra device. Some smart TVs are even built *around* Google TV — so they work just like a Google TV device, with the same menu and casting, built into the television itself.

Why you might still want a separate device

Even with a smart TV, a separate Google TV device can be worth having. Many built-in smart-TV systems are **slow, clunky, or cluttered** — a common complaint — and a faster, friendlier Google TV device plugged in gives a nicer experience. A separate device is also easy to move to another TV, and keeps getting updated when an older smart TV's built-in system is abandoned. So:

- **If your smart TV's built-in streaming is fast and you like it** — you may need nothing more.
- **If it's slow, clunky, or missing apps you want** — a Google TV device gives a better experience.
- **If your TV isn't smart at all** — a Google TV device is exactly what turns it into one.

GOOD TO KNOW

A streaming device can outshine a clunky smart TV

Here's a point worth knowing: even if your TV has streaming built in, a separate Google TV device often works *better* — faster, smoother, with a nicer menu and more apps — because built-in smart-TV systems are frequently slow and get neglected over time. So don't assume a smart TV means you can't benefit from a Google TV device. For many people, the little device is the more pleasant way to stream, smart TV or not.

WHAT THIS DOES FOR YOU

The right setup for your TV

Knowing whether your TV already streams — and whether a separate device would do it better — means you set things up the smartest way for your situation, without buying something you don't need or putting up with a clunky built-in system you could improve. A little clarity here leads to the smoothest, most pleasant streaming for your particular TV.

PART 2

Setting It Up

Plugging it in, the Google Home app and your account, connecting to Wi-Fi, the first-time setup, and signing in to your streaming apps.

CHAPTER 6

Plugging It In

Setting up a Google TV or Chromecast device starts with plugging it into your television. It's a straightforward job — let's go step by step so there are no surprises.

The physical setup

1. **Plug the device into an HDMI socket** on your TV — the flat, wide slot, usually on the back or side. Note which one you use ("HDMI 1," "HDMI 2"); you'll need it in a moment.
2. **Plug in the power** — connect the device's power cable to the wall (or a USB socket on the TV, if it reaches and powers it). A light comes on.
3. **Turn on the TV and choose the right input** — press the **Input** or **Source** button on your TV remote and select the HDMI you used. You should see the device's welcome screen.
4. **Put batteries in the remote** (if it came with them separately), and you're ready for the on-screen setup.

TIP

The "Input" button is the usual sticking point

If you plug everything in but see a blank or "No Signal" screen, don't worry — you almost certainly just need to switch your TV to the right input. Press **Input** or **Source** on your *TV's* own remote and cycle through until you see the device's welcome screen. This one step trips up nearly everyone, and it's a two-second fix once you know it.

WHAT THIS DOES FOR YOU

Plugged in and ready to go

With the device plugged into HDMI and power, and your TV on the right input, the hardest physical part is done — and the device's friendly on-screen setup takes over from here. A few plugs and the right input, and you're on your way to streaming.

CHAPTER 7

The Google Home App & Your Account

Setting up a Google TV device is done partly on the TV and partly with the **Google Home app** on your phone, which makes the process much easier (especially typing your Wi-Fi password). Let's get that ready.

Getting the app

1. On your phone or tablet, open the app store and search for **Google Home** (a house icon).
2. Install it (it's free) and open it.
3. Sign in with your **Google account** (your Gmail address). This is the account your device will use too, so your apps and preferences carry over.

Your Google account

Your Google account ties everything together — it's how the device knows your apps, your watchlist, and your preferences. You likely have one already (especially if you use Gmail or an Android phone); if not, you can create one during setup. Keep its password safe, as it's the key to your Google world. If you're unsure of your account details, that's a common thing and easily sorted out together.

TIP

The phone makes setup much easier

You *can* set up a Google TV device using just the remote and the TV, but typing your Wi-Fi password and signing in with the on-screen keyboard is tedious. Using the **Google Home app** on your phone to help with setup is far quicker — it can pass your Wi-Fi details and account to the device automatically. If you have a phone, use it for setup; it'll save you a lot of fiddly typing on the TV.

WHAT THIS DOES FOR YOU

Setup made smoother

Having the Google Home app ready on your phone, signed in to your account, makes the whole setup smoother — less typing on the TV, your preferences carried over automatically. It's the helper that turns setup from a chore into a quick, guided process.

CHAPTER 8

Connecting & First-Time Setup

With the device plugged in and the app ready, the on-screen setup walks you through the rest — connecting to Wi-Fi, signing in, and getting your apps. Take it slowly; the device guides you, and nothing can go wrong in any lasting way.

The setup, step by step

1. On the TV's welcome screen, choose your language and follow the prompt — it will often ask you to **set it up with your phone** (using the Google Home app) or with the remote.
2. **Connect to your Wi-Fi** — choose your network and enter the password (far easier via the phone).
3. **Sign in** with your Google account (the phone can pass this along automatically).
4. **Choose your apps** — it offers to install popular streaming apps (Netflix, YouTube, and so on). Pick the ones you use.
5. **Let it finish** — it may download updates and your apps, then lands you on the Google TV home screen, ready to watch.

If it asks about extras

During setup it may ask about linking to a voice assistant, your TV's power and volume control (so the one remote can control the TV too), and a few preferences. You can accept the suggested options, or skip and set them later — nothing here is permanent, and you can change it any time in settings.

> **FROM BILL**
>
> **Setup giving you trouble? Happy to help**
>
> The first-time setup — the HDMI, the input, the Wi-Fi password, the account, the apps — is the one fiddly part, and a perfect quick job for me. In one short visit I'll have your Google TV plugged in, connected, signed in, your apps loaded, and the remote set to control your TV too — and show you how to use it before I go. **(330) 200-8042**.

WHAT THIS DOES FOR YOU

Set up once, easy ever after

The on-screen setup, helped by your phone, gets everything connected and your apps in place — and then you're watching. It's a one-time job of maybe fifteen minutes, after which the device simply works every time you turn on the TV. A little patience up front buys easy streaming for years.

CHAPTER 9

Signing In to Your Apps

Your Google TV device gives you the streaming **apps** — Netflix, YouTube, and so on — but each one that needs a subscription will ask you to **sign in** with *that* service's account. This trips up newcomers, so let's make it clear.

Why you sign in to each app

Each streaming service — Netflix, Max, your bank, Disney+ — has its own separate account, apart from your Google account and the device itself. So when you open Netflix on the TV for the first time, it asks for *your Netflix* email and password, so it shows *your* shows. This is normal: your Google account runs the device; each app's account runs that app's content.

Signing in made easier

- **Typing on the TV is slow** — use the remote's microphone to speak your email, or follow the app's offer to sign in using your phone or a website code.
- **Many apps let you sign in by a code** — the TV shows a short code and a website address; you go to that website on your phone or computer, type the code, and sign in there — far easier than typing on the TV.
- **Let it remember you** — once signed in, the app keeps you signed in, so you only do this once per app.

TIP

Use the "sign in on your phone" code to avoid TV typing

Typing a password with a remote on the TV is nobody's idea of fun. Happily, most streaming apps offer an easier way: they show a **short code** and a website address on the TV; you visit that website on your phone or computer, type the code, and sign in *there*. The app on the TV then signs itself in. It's far quicker and less frustrating than pecking out a password on screen — always look for this option.

WHAT THIS DOES FOR YOU

Your shows, in every app

Signing in to each app — easiest with the phone-code trick — is how the TV shows *your* Netflix, *your* watchlist, *your* subscriptions. Do it once per app, let them remember you, and from then on your personal world of shows opens the moment you pick an app. A little sign-in setup, and everything you pay for is there waiting.

PART 3

The Remote & Google TV

Getting comfortable with the remote, finding your way around the home screen, searching by voice, and arranging things to suit you.

CHAPTER 10

Getting Comfortable with the Remote

The remote is how you'll drive your Google TV, and it's far simpler than a cable remote — just a handful of buttons. Once it feels natural in your hand, the whole thing clicks into place. Let's get familiar, because comfort with the remote is the key to enjoying the device.

The buttons that matter

Button	What it does
The direction pad (a ring or arrows)	Move up/down/left/right through the on-screen menus. The heart of the remote.
The center / OK button	Press to choose whatever you've highlighted — open an app, play a show.
Back	Steps back to the previous screen. Your "undo" and escape button.
Home	Jumps straight back to the main Google TV home screen from anywhere. Your safe harbor.
The microphone / Assistant button	Hold it and SPEAK — to search or control by voice. A real time-saver.
Volume	Often on the side of the remote — and set to control your TV's volume too.
App shortcut buttons	Many remotes have buttons that jump straight to Netflix, YouTube, etc.

Typing without a keyboard

Now and then you'll need to type — a password, a show's name — using an on-screen keyboard and the arrow buttons to pick letters one at a time. It's slow, but you rarely do it, and the microphone button makes most of it unnecessary: just hold it and say what you want. Let your voice do the typing wherever you can.

> **TIP**
>
> **The voice button is your best friend**
>
> If your remote has a microphone button, use it generously. Searching for a show by pecking out letters with arrow keys is tedious; holding the button and saying "find Jeopardy" is instant. It's also the easiest way to open an app, pause, or jump to something. Of all the buttons, this is the one worth the habit — it makes the whole device far easier to use.

WHAT THIS DOES FOR YOU

A friendlier remote than cable ever had

No more sixty-button cable remote with half the buttons a mystery. A Google TV remote is a few clear buttons plus your voice — point, press OK, and you're watching. Once it's in your hand a few times, it feels more natural than the old clicker ever did, and controlling your whole TV world becomes effortless.

CHAPTER 11

The Home Screen

When you turn on your Google TV, you land on the **home screen** — the friendly front page with your apps, suggestions, and search. Let's get our bearings, because once the home screen makes sense, finding something to watch is easy.

What's on the home screen

- **Your apps** — a row of your streaming services (Netflix, YouTube, and so on), each a tile you select to open.
- **Rows of suggestions** — shows and movies Google TV thinks you'd like, gathered from across your services, so you can discover things to watch.
- **Search** — usually at the top, to find a specific show or ask by voice.
- **Your watchlist and "continue watching"** — shows you've saved or started, so you can pick up where you left off.
- **Settings** — usually a gear or your profile picture in a corner.

Moving around

Use the direction pad to move the highlight around the screen — up and down between rows, left and right along a row — and press OK to choose. The **Home** button always brings you back to this front page, and **Back** steps you back one screen. Those two buttons mean you can never get lost: Home to start over, Back to retreat.

TIP

Lost? Press Home

Here's the reassurance worth remembering: no matter how deep you've wandered into an app or a menu, pressing the **Home** button on the remote always brings you straight back to the main home screen — your safe harbor. You can never get stranded. So explore the menus freely; Home is always one press away to bring you back.

WHAT THIS DOES FOR YOU

Everything to watch, laid out before you

The Google TV home screen gathers all your apps and a world of suggestions onto one friendly front page — so finding something to watch is a matter of browsing or searching, not hunting. Once it's familiar, settling in to watch becomes a pleasure rather than a puzzle, with everything you might want right there to choose from.

CHAPTER 12

Finding Something to Watch

With so much on offer, the happy challenge becomes *finding* what to watch — and Google TV is built to make that easy, whether you know exactly what you want or just want something good. Here are the ways to find your way to a show.

If you know what you want

- **Search by voice** — hold the microphone button and say a show, movie, or actor's name. It finds it across all your apps and tells you where to watch.
- **Use the search box** — type (or speak) a name at the top of the screen.
- **Go to the app** — open Netflix or YouTube directly and browse within it.

If you just want something good

- **Browse the suggestions** — the rows on the home screen gather recommendations across your services.
- **Check "For You"** — Google TV learns what you like and suggests accordingly, more helpfully over time.
- **Ask by voice** — "show me comedies" or "find something funny" and it offers ideas.

TIP

Voice search looks across all your apps at once

The clever thing about Google TV's voice search is that it looks across *all* your services at once — so you don't have to remember whether a show is on Netflix or somewhere else. Just say its name, and it tells you where to watch it and takes you there. No more opening each app to hunt; one spoken request searches everything. It's the easiest way to find a specific show by far.

WHAT THIS DOES FOR YOU

Never "nothing on" again

Between voice search that looks everywhere at once and smart suggestions that learn your taste, Google TV makes finding something to watch effortless — whatever mood you're in. The old complaint of "nothing on" disappears; the only challenge is choosing among all the good things on offer, which is a far nicer problem to have.

CHAPTER 13

Arranging Things to Suit You

You can tidy your Google TV so your favorite apps are easy to reach and the suggestions match your taste. A few minutes arranging it makes every evening's watching that bit smoother.

Arranging your apps

On the home screen, you can move your apps so the ones you use most are front and center. Highlight an app, press and hold the OK button (or look for a move/options prompt), and shift it along the row. Put Netflix, YouTube, and whatever you watch nightly where your thumb expects them, and tuck the rest further along.

Shaping your suggestions

- **Use your watchlist** — when you spot something you want to watch later, add it to your watchlist, and it waits for you on the home screen.
- **Let it learn** — the more you watch, the better the "For You" suggestions get. You can also tell it which services you subscribe to, so it suggests things you can actually watch.
- **Hide what you don't want** — you can often remove a suggested row or title you're not interested in.

TIP

Tell it which services you have

In the settings, you can tell Google TV which streaming services you actually subscribe to. This makes its suggestions far more useful — it stops recommending shows you'd have to pay extra for, and focuses on what you can watch right now. A couple of minutes setting this up means the home screen suggestions become genuinely helpful rather than a tease.

WHAT THIS DOES FOR YOU

A TV front page that's truly yours

A few minutes arranging your apps and shaping your suggestions turns the Google TV home screen into *your* front page — your favorites front and center, your watchlist waiting, suggestions that fit your taste and your subscriptions. It's the finishing touch that makes the whole device feel comfortable and personal every time you turn on the TV.

CHAPTER 14

Making It Easier to See & Hear

Watching should be a comfort, not a strain — so let's cover the settings that make your Google TV easier on the eyes and ears. Captions, bigger text, and clearer sound can transform the experience, and they're all easy to switch on.

Captions (subtitles)

If dialogue is ever hard to catch — mumbling actors, background music, or simply tired ears — **captions** (the words shown at the bottom of the screen) are a wonderful help. They can be turned on for an individual show (look for a captions or "CC" option in the playback controls while watching) or for everything, in the device's accessibility settings. Many people find captions make watching far more relaxing, catching every word without straining.

Bigger text and clearer display

- **Larger text** — the device's accessibility settings can enlarge the on-screen text, making menus and titles easier to read.
- **High contrast** — options to make text and menus crisper and easier to see.
- **Magnification** — some devices can zoom in on part of the screen if needed.

Clearer, louder sound

If the TV's sound is hard to hear, a few things help: turn up the volume (the Google TV remote often controls your TV's volume directly), try your TV's "dialogue" or "speech" sound mode if it has one (which makes voices stand out), or add a **soundbar** — a slim speaker under the TV that makes everything, especially dialogue, much clearer. For many people, better sound is the single biggest improvement to comfortable watching.

TIP

Turn on captions — even many younger folks do now

Don't think of captions as only for hearing trouble — a great many people of all ages now watch with captions on all the time, simply because modern shows often have mumbled dialogue and loud background sound. Switching them on means you catch every word without straining or reaching for the volume. Give it a try for a few evenings; you may find, as many do, that you prefer watching with them on.

WHAT THIS DOES FOR YOU

Comfortable watching, set up for you

Captions when you want them, text you can read, sound you can hear clearly — a few minutes in the settings makes every evening's watching easier and more enjoyable. Your television should suit your eyes and ears, and these simple adjustments make sure it does, turning strained viewing into pure relaxation.

PART 4

Casting from Your Phone

The clever trick of sending video from your phone to the TV — what it is, how to do it, casting photos and YouTube, and when to cast versus use the remote.

CHAPTER 15

What Casting Is

We met casting briefly in Part 1; now let's look at it properly, because it's a genuinely handy trick that sets these Google devices apart. **Casting** lets you send a video playing on your *phone* up to the big TV with a tap.

How it works, in plain terms

When you cast, you start a video on your phone — a YouTube clip, a Netflix show, a family video — and tell it to play on the TV instead. The phone becomes a remote control; the TV does the showing. Cleverly, the video streams from the internet straight to the TV (the phone just points the way), so you can keep using your phone for other things, or even put it down, while the video plays on the big screen.

Why it's useful

- **Quickly throw a video onto the TV** — a clip someone sent you, a how-to video, a family moment — without hunting for it with the remote.
- **Share with the room** — everyone can watch on the big screen instead of crowding round a little phone.
- **Use the phone you're comfortable with** — browse and pick on your familiar phone, then send it to the TV.
- **Great for photos and videos** of your own — show the grandchildren's recital on the big screen.

GOOD TO KNOW

Casting and the remote are both there — use either

You don't have to choose between casting and the remote — your Google TV device does both, and you'll use whichever suits the moment. Settle in for an evening's viewing with the remote and the home screen; cast when you want to quickly fling something from your phone onto the TV. They're two handy tools for the same device, and casting is especially nice for the spur-of-the-moment "look at this" videos.

WHAT THIS DOES FOR YOU

Your phone's videos, on the big screen

Casting turns your TV into a big screen for anything on your phone — a video a friend sent, a how-to, your own photos and family clips — in a single tap. It's a delightful, effortless way to share what's on your phone with the whole room, and one of the nicest things these Google devices do.

CHAPTER 16

How to Cast

Casting is wonderfully simple once you've done it once. The key is a little symbol you'll learn to spot in your phone's apps. Let's walk through it.

The casting symbol

In apps that can cast — YouTube, Netflix, many others — you'll see a small **cast symbol**: a little rectangle (a screen) with curved lines in its corner, like a tiny TV with Wi-Fi waves. That symbol is your casting button. Once you know to look for it, you'll spot it in app after app.

Casting a video, step by step

1. Make sure your **phone and the TV device are on the same Wi-Fi** — casting needs them on the same home network.
2. Open a video in an app on your phone (YouTube, say).
3. Tap the **cast symbol** (the little screen with waves).
4. Choose your TV device from the list that appears (it'll have the name you gave it, like "Living Room TV").
5. The video jumps to the TV. Use your phone to pause, skip, adjust volume, or pick something else — or just set the phone down and enjoy.

TIP

Same Wi-Fi is the one requirement

The single thing casting needs is that your **phone and your TV device are on the same Wi-Fi network**. If the cast symbol doesn't appear, or your TV isn't in the list, that's almost always the reason — your phone has hopped onto a different network (or cellular data). Check they're both on your home Wi-Fi, and casting springs to life. It's the first thing to check if casting won't work.

WHAT THIS DOES FOR YOU

One tap, and it's on the TV

Once you know the cast symbol and that both devices share Wi-Fi, casting is a single tap — and your video leaps from the little phone to the big TV. Browse and choose on the phone you're comfortable with, then send it to the screen for everyone. It's as easy as that, and genuinely handy once it's familiar.

CHAPTER 17

Casting Photos, YouTube & More

Casting isn't just for streaming shows — some of its loveliest uses are for your own photos and videos, and for the endless free content on YouTube. Let's look at these warmer, everyday uses.

Casting YouTube

YouTube is a bottomless well of free video — how-tos, old performances, church services, documentaries, music, and more — and casting it is a joy. Find a video on the YouTube app on your phone, tap cast, and watch it big. For following a cooking video, enjoying old music, or watching a service you couldn't attend, casting YouTube to the TV is wonderful.

Casting your own photos and videos

Here's a heartwarming use: cast your own **photos and videos** to the TV to share with the room. From the Google Photos app on your phone, you can cast a photo, a video, or a whole slideshow to the big screen — so the family can gather round and enjoy the grandchildren's pictures, a holiday album, or a video of a special moment, together, on the TV instead of squinting at a phone.

TIP

Cast a photo slideshow for family gatherings

When family gathers, casting a **slideshow of photos** to the TV is a lovely touch — the grandchildren's latest pictures, a trip, old family photos — up on the big screen for everyone to enjoy and talk over together. From Google Photos, pick an album and cast it, and it plays as a slideshow. It turns a pile of phone photos into a shared, warm experience for the whole room.

WHAT THIS DOES FOR YOU

Share your world on the big screen

Casting your YouTube favorites and your own photos and videos to the TV turns the big screen into a window on the things you love — free video on every subject, and your own cherished moments, shared with the whole room. It's one of the warmest, most sociable things these little devices do, and a delight at any family gathering.

CHAPTER 18

Casting or the Remote? When to Use Each

With two ways to watch — the remote-and-menu, and casting from your phone — you might wonder which to use when. The honest answer is "whichever's handier," but here's a little guidance to help you choose naturally.

Lean toward the remote and menu when…

- You're **settling in for the evening** to watch a show or film.
- You want to **browse and discover** something on the big screen.
- You'd rather **not involve your phone** at all.
- You're watching from an app's own account (your Netflix, say) — just open it on the TV.

Lean toward casting when…

- You've **found something on your phone** and want it on the TV quickly.
- You want to show **your own photos or videos** to the room.
- You're watching a **YouTube clip** someone sent you.
- You find **browsing easier on your familiar phone** than with the remote.

GOOD TO KNOW

There's no wrong choice

Don't overthink it — casting and the remote both land you watching on the big screen, and you'll naturally drift toward whichever feels easier for each thing. Many people use the remote for their evening shows and casting for quick "look at this" moments and family photos. Use them however suits you; they're two tools for the same happy job, and you can mix and match freely.

WHAT THIS DOES FOR YOU

Two easy paths to the big screen

Having both the remote-and-menu and casting means there's always an easy way to get what you want onto the TV — settle in with the remote, or fling it from your phone. Whichever you reach for, the big screen is a moment away. That flexibility is part of what makes these Google devices so pleasant to live with.

PART 5

Getting the Most From It

The apps worth having, your watchlist, free and live TV, using it with Google Assistant, and setting up profiles for the household.

CHAPTER 19

The Apps Worth Having

Your Google TV can hold a great many streaming apps, but you only need the handful you'll actually use. Let's look at the main ones, so you can add what suits you and skip the rest.

The main streaming apps

App	What it offers
YouTube	Free, endless video — how-tos, music, old shows, church services, documentaries. Built in and wonderful.
Netflix	The famous subscription service of shows and movies.
Amazon Prime Video	Included if you have Amazon Prime.
Disney+	Disney, Pixar, Marvel, and more — lovely for grandchildren.
Max, Peacock, Paramount+, Apple TV	Other subscription services, each with their own shows and films.
Free apps (Tubi, Pluto TV)	Free movies and live channels, no subscription — just some ads.
Your local & news apps	Many local stations and news services have free apps.

Adding and removing apps

To add an app, find the **Apps** section (or search), pick the one you want, and choose to install it — it appears on your home screen. To remove one you don't use, you can usually uninstall it from the settings. Adding an app is free and commits you to nothing; paid services simply need you to sign in with an account you subscribe to. So feel free to add and explore.

TIP

You don't need many — add as you go

Resist the urge to install a dozen apps at the start. Begin with YouTube (free and endless) and whatever one or two subscription services you actually pay for, get comfortable, and add others only when you find you want them. A tidy home screen with a few well-chosen apps is far friendlier than one crammed with icons you never open.

WHAT THIS DOES FOR YOU

A TV that does exactly what you want

The right handful of apps — YouTube for free video, your chosen subscriptions, maybe a free app or two — turns your Google TV into exactly the entertainment center you want, with no clutter. You choose what it offers, one useful app at a time, and everything you enjoy is right there on one friendly screen.

CHAPTER 20

Your Watchlist & Continue Watching

Two handy features save you from ever losing track of what you're watching or want to watch: the **watchlist** and **continue watching**. Together they make picking up a show as easy as sitting down.

The watchlist

When you come across a show or film you'd like to watch *later* — but not right now — you can add it to your **watchlist**. It then waits for you on the home screen, so you needn't remember its name or hunt for it again. You can even add to your watchlist from your phone or computer (by searching Google for a show and tapping "watchlist"), and it appears on your TV. A simple way to keep a running list of "things to watch."

Continue watching

When you start a show or film and stop partway, Google TV remembers — and puts it in a **continue watching** row on the home screen, so you can pick up right where you left off, across all your apps, with one click. No more hunting through Netflix to find your spot; it's waiting for you on the front page. For watching a series over several evenings, it's wonderfully convenient.

TIP

Add to your watchlist whenever something catches your eye

Whenever you hear of a show or see a trailer for something you'd like to watch, add it to your **watchlist** right then — by voice ("add [show] to my watchlist") or by finding it and choosing watchlist. Then it's saved, waiting on your home screen, and you'll never again think "what was that show I wanted to watch?" It turns fleeting "I should watch that" moments into a tidy list you can actually act on.

WHAT THIS DOES FOR YOU

Never lose track of what to watch

Your watchlist keeps everything you want to watch in one place, and continue watching holds your spot in everything you've started — both waiting on the home screen. No more forgotten shows or lost places; you sit down, and there's your list and your half-watched series, ready. It makes every evening's viewing effortless to pick up.

CHAPTER 21

Free & Live TV

A happy surprise for many people: a great deal of good television is available **free** on a Google TV device, and you can even get **live TV** channels. You needn't pay for every subscription to enjoy plenty to watch.

Free streaming

- **YouTube** — endless free video on every subject.
- **Free apps** like **Tubi** and **Pluto TV** — free movies, shows, and live channels, supported by occasional ads.
- **Google TV's own free channels** — many Google TV devices include a selection of free live channels built in, arranged like old cable, at no cost.
- **Free apps from local stations** and services — news, weather, and more.

Live TV

If you want live channels — news as it happens, the big networks, sports — you can get them through a **live TV streaming service** (like YouTube TV) as an app on your device, or through the free live channels mentioned above. Google TV can even blend live channels into its menu, so live and on-demand sit together. (Our "Cutting the Cord" manual covers replacing cable with streaming in full.)

TIP

Explore the free options before paying for more

Before subscribing to anything, it's worth exploring what's **free** on your Google TV — YouTube, free apps like Tubi and Pluto, and the built-in free channels. You may find they cover more of your viewing than you'd expect, especially for movies, classic shows, and news. Every hour you enjoy free is an hour you're not paying for, and it's a pleasant way to get the most from the device without spending a penny more.

WHAT THIS DOES FOR YOU

Plenty to watch, free of charge

Between YouTube, free streaming apps, and built-in free channels, a Google TV device offers a surprising amount of good television at no cost at all — and live TV too, if you want it. You can enjoy the device fully without a pile of subscriptions, paying only for the few services whose shows you truly love. That's entertainment that respects your budget.

CHAPTER 22

Google Assistant, Profiles & Extras

A few more features round out your Google TV: controlling it with the **Google Assistant** by voice, setting up **profiles** for different people, and tying it into the rest of your Google and smart-home world. Let's touch on these handy extras.

Voice control with Google Assistant

The microphone button on your remote (and, on some devices, saying "Hey Google") lets you control the TV by voice — far easier than the remote for many things:

- "Play Jeopardy" / "Find a nature documentary."
- "Pause" / "Turn it up" / "Skip ahead."
- "What's the weather?" or other questions, answered on screen.
- "Open Netflix" / "Go home."

Profiles for the household

Google TV can have separate **profiles** for different people in the home — so your recommendations and watchlist aren't muddled with your spouse's westerns or the grandchildren's cartoons. Each person gets their own tailored home screen. It's optional, but a nice touch in a shared household; you switch profiles from the home screen. There's also usually a **kids' profile** option for a safe, child-friendly space.

TIP

A kids' profile keeps grandchildren's viewing safe

If grandchildren watch on your TV, setting up a **kids' profile** gives them a safe space with only child-friendly content, and keeps their cartoons from taking over your recommendations. It's a thoughtful touch that lets the little ones enjoy the TV safely while keeping your own viewing yours. Happy to help you set one up if you'd like.

WHAT THIS DOES FOR YOU

Tailored, voice-controlled, and shared well

Voice control for effortless commands, profiles so everyone's viewing stays their own, a safe space for the grandchildren — these extras make your Google TV more convenient and more personal for the whole household. Set up the ones that suit you, and the device fits your family like a glove.

CHAPTER 23

A World of Free Enjoyment on YouTube

One app deserves a chapter of its own, because it's free, endless, and genuinely enriching: **YouTube**. On your Google TV, YouTube is a bottomless well of things to watch and learn, at no cost beyond the occasional ad — and for many people, it becomes the most-used and most-loved thing on the device.

The sheer variety

Whatever you're interested in, it's on YouTube, and watching it big on your TV is a joy:

- **Music** — the songs and performers of your youth, concerts, old television appearances, music of every kind.
- **How-to and learning** — cooking, gardening, repairs, crafts, history, science — demonstrated step by step.
- **Church services and faith content** — services, hymns, sermons, devotionals, if that's part of your life.
- **Documentaries and travel** — explore the world, nature, history, and places from your armchair.
- **Old shows and nostalgia** — classic clips, old commercials, programs you remember.
- **Family and local content** — a grandchild's posted video, a local event, a hobby community.

Finding what you love

Use voice search to find anything — "find Glenn Miller" or "how to prune roses" — and YouTube brings it up. The more you watch, the better it gets at suggesting things you'll enjoy. And it costs nothing. For curiosity, nostalgia, learning, and simple pleasure, YouTube on the big screen is one of the real treasures these devices unlock.

TIP

Explore a passion or revisit a memory

YouTube is wonderful for diving deep into something you love or revisiting something from your past. Curious about a historical event, a far-off place, how something works? Search it. Want to hear a song or see a performer from decades ago? It's likely there. Set aside an evening to explore a passion or wander down memory lane on the big screen — it's free, endless, and often delightful.

WHAT THIS DOES FOR YOU

Endless free enjoyment and learning

YouTube on your Google TV is a free, bottomless source of music, learning, nostalgia, faith, and discovery — enjoyed big on your television, found by a spoken word. It enriches quiet evenings, feeds curiosity, and brings the music and memories you love back to life, all at no cost. For many people, it alone makes the whole device worthwhile.

PART 6

Troubleshooting & Odds and Ends

The simple fixes when something's off, finding a lost remote, keeping it updated, the upgrade question, and using it safely and privately.

CHAPTER 24

Fixing the Common Hiccups

Streaming is reliable, but like anything, it has the odd off day — a frozen picture, a device that won't respond, an app that won't load. Happily, a tiny handful of simple fixes solve almost everything. Keep this chapter handy.

Common troubles and fixes

If this happens…	…try this
"No signal" / black screen	Wrong TV input. Press Input/Source on the TV remote and pick the right HDMI.
Picture freezes or buffers	Usually a Wi-Fi hiccup. Pause and let it catch up; if it persists, restart the device and your router.
The device won't respond	Unplug its power for 10 seconds and plug it back in — the classic fix.
An app won't open or play	Close it and reopen; if still stuck, restart the device. Occasionally, sign out and back in to the app.
The remote isn't working	Fresh batteries fix most remote troubles. Re-pair it if needed (see the next chapter).
Poor picture / keeps dropping quality	Weak Wi-Fi at the TV. Move the router closer, or consider a Wi-Fi extender.
Can't find a show / which app?	Use voice search — it looks across all your apps.

The golden fix

When in doubt, **restart things**: unplug the Google TV device's power for ten seconds and plug it back in; and if it's a connection issue, restart your **Wi-Fi router** too (unplug a minute, plug back in). This "off and on again" clears the great majority of streaming troubles and never harms a thing.

TIP

Weak Wi-Fi at the TV is the usual culprit

If streaming stutters or buffers, especially on a TV far from your router, the cause is almost always **Wi-Fi not reaching that spot strongly** — not the device or your internet speed. A Wi-Fi extender (or moving the router) often fixes it. Before blaming the device, check whether your Wi-Fi reaches the TV well — that's behind most buffering problems, and it's very solvable.

WHAT THIS DOES FOR YOU

Most problems, solved by you in a minute

Switch the input, restart the device, restart the router, swap the remote batteries — these few moves clear up nearly everything streaming ever throws at you. That's real confidence: knowing the problem is almost always small, and the fix is right there in your hands. A hiccup becomes a quick fix, not a spoiled evening.

CHAPTER 25

The Remote & Keeping It Updated

A couple of odds and ends worth knowing: what to do about the remote (including finding it when it's lost), and how your device keeps itself up to date.

Remote troubles

- **Not responding?** Try fresh batteries first — the usual cure.
- **Still not working?** You may need to re-pair it — hold the remote's pairing button (often the back or home button) near the device until it reconnects. The device's settings have a "pair remote" option.
- **Lost the remote?** Some newer devices (like the Google TV Streamer) have a **remote finder** — press a button on the device, or ask by voice, and the remote chirps so you can find it down the sofa.
- **No remote at all?** You can often control the device using the Google Home or Google TV app on your phone as a backup remote.

Keeping the device updated

Your Google TV device updates itself automatically — new features and fixes arrive quietly over your internet, usually when the device is idle, with nothing for you to do. Occasionally it may restart to finish an update. This keeps it secure and improving over time, all on its own. Just leave it plugged in and connected, and it tends to itself.

TIP

Your phone can be a spare remote

If you ever lose or run out of patience with the physical remote, remember that the **Google Home app** (or the Google TV app) on your phone can act as a remote control for the device — with a touchpad to navigate and even a keyboard for easier typing. It's a handy backup if the remote goes missing, and some people prefer the phone's keyboard for typing passwords. Good to know it's there.

WHAT THIS DOES FOR YOU

A device that looks after itself

Knowing how to handle the remote — batteries, re-pairing, the finder, the phone backup — and that the device updates itself automatically means little ever stands between you and your shows. The device quietly keeps itself current and secure, and the few remote troubles are easily solved, so it just works, year after year.

CHAPTER 26

Which Device, and the Upgrade Question

You may wonder which Google device is best, or whether to upgrade an older Chromecast to the newer Google TV Streamer. Let's answer honestly, so you can decide without being pushed into spending you don't need to.

The lineup, honestly

Device	What it is
Older Chromecast (cast-only)	The original idea — no remote, no menu, just casting from your phone. Still works for casting, but dated.
Chromecast with Google TV	Added a remote and the full Google TV menu. A capable device that does everything most people need.
Google TV Streamer	The current model — faster, more storage, a remote finder, and extras. The one to buy new.

Should you upgrade?

Here's the honest guidance: **if your current device still does the job, you don't need to upgrade.** A Chromecast with Google TV that works fine is worth keeping. Consider the newer Google TV Streamer if your old device is slow, struggling, or cast-only and you want the menu and remote — or if you're buying fresh. Don't let the pull of "newer" talk you into replacing something that works perfectly well. Upgrade for a real reason, not for its own sake.

TIP

If it works, keep it

The sensible rule with any gadget: if your current Google TV or Chromecast still does what you want — plays your shows, responds well enough — there's no need to spend money on a newer one. The newer model is faster and has a few extras, but "faster and a few extras" isn't worth replacing a device that's serving you fine. Upgrade when yours genuinely frustrates you, not before.

WHAT THIS DOES FOR YOU

Spend only when it's worth it

Knowing the honest differences — and that a working device is worth keeping — means you spend only when there's a real reason to, not out of a vague sense that newer must be better. Whether you keep an older device or buy the current one, you'll be making a sensible choice for your needs and your budget, with eyes open.

CHAPTER 27

Using It Safely & Privately

A few words on keeping your Google TV secure and your viewing private — nothing alarming, just sensible habits that keep your account safe and your choices your own.

Keeping it secure

- **Protect your Google account** — a strong, unique password and two-factor authentication, since it ties to your email and more.
- **Secure your home Wi-Fi** with its own strong password.
- **Be wary of scams** — no legitimate company will call or email asking for your account password or a sign-in code. And never trust a "your device has a virus, call this number" message on the TV — those are fakes.

Your privacy

Google TV, like other streaming devices, keeps track of what you watch to make suggestions. If you'd rather it didn't, you can adjust the privacy and personalization settings in the device's menu — limiting what's tracked and clearing your history. It's a personal choice; the tracking makes suggestions better, but you're free to turn it down if you prefer more privacy. The controls are there for you to decide.

SCAM ALERT

Ignore any "virus" or "call support" message on your TV

Just as on a computer, a scary message on your TV claiming your device is "infected" or urging you to "call support now" is a **scam**, every time — Google doesn't do that. Never call a number such a message shows. Close the app or restart the device, and if it shook you, call me — that's exactly the kind of thing I'm glad to check for you, free. Trust the rule: real companies don't warn you this way.

WHAT THIS DOES FOR YOU

Secure, private, and worry-free

A strong account password, secure Wi-Fi, a wary eye for scams, and privacy settings tuned to your liking mean you enjoy your Google TV with no worry — your account safe, your viewing as private as you want it, and the scams that target everyone easily sidestepped. Peace of mind, simply kept.

PART 7

Your Everyday Cheat-Sheet

The quick reference to keep by the TV, a plain-English glossary, where to learn more, and my standing offer to help.

CHAPTER 28

The Everyday Cheat-Sheet

Here's your one-page reference. Keep it by the TV while the device is still new; before long these will be second nature.

The things you'll do most

To do this…	…do this
Go to the main screen	Press Home on the remote
Go back a screen	Press Back
Find a show fast	Hold the remote's microphone button, say its name
Open an app	Select its tile and press OK (or say "open Netflix")
Send a video from your phone	Tap the cast symbol in the phone app, pick your TV
Show photos on the TV	Cast from Google Photos on your phone
Save a show for later	Add it to your watchlist
Pick up where you left off	Use the "continue watching" row on the home screen
No picture / black screen	Press Input/Source on the TV remote; pick the right HDMI
Fix a glitch	Unplug the device's power 10 seconds; restart the router
Find a lost remote	Press the finder button on the device (newer models), or use the phone app

TIP

The voice button and the cast symbol — learn these two

If you master just two things, let them be the remote's **voice button** (hold it and say what you want — the easiest way to find and control anything) and the **cast symbol** on your phone (to send videos and photos to the TV). Those two cover most of what makes a Google TV device a pleasure. Everything else you can look up here as you go.

CHAPTER 29

A Plain-English Glossary

If a term ever trips you up, look it up here.

Term	In plain English
Google TV	The on-screen menu of apps and suggestions you browse with the remote.
Chromecast	Google's streaming device; also the name of the "casting" technology.
Google TV Streamer	The current Google streaming device (replaced Chromecast with Google TV).
Casting	Sending a video from your phone to the TV with a tap.
Streaming	Watching video over the internet, as it arrives.
App / service	A doorway to a library of shows — Netflix, YouTube, and so on.
HDMI	The flat, wide socket on your TV the device plugs into.
Input / Source	The TV button that chooses which plugged-in device to show.
Wi-Fi	The wireless way the device connects to the internet at home.
Google account	Your email-and-password with Google, which runs the device.
Google Home app	The phone app used to help set up and control the device.
Remote	The small handset for navigating; often has a voice button.
Voice search / Google Assistant	Finding and controlling things by speaking into the remote.
Watchlist	Your saved list of things to watch later.
Continue watching	Shows you've started, ready to pick up where you left off.
Profile	A personal space on the device so recommendations stay yours.
Buffering	When the picture pauses to catch up — usually a Wi-Fi hiccup.
Subscription	A paid plan for a service (Netflix, etc.); cancel any time.

CHAPTER 30

Where to Learn More & When to Call Bill

You've reached the end — and your Google TV should feel like a friendly, familiar part of your living room now. Here's where to turn for more, and a few parting words from me.

Good places to learn more

- **Ask by voice** — "Hey Google, how do I…" on the remote is often the quickest answer.
- **Google's own help** — search "Google TV help" or "Chromecast help" for the maker's step-by-step guides.
- **GCFGlobal.org** — free, patient lessons on streaming and technology for beginners.
- **Our "Cutting the Cord" manual** — if you'd like to replace cable with streaming entirely.
- **YouTube how-tos** — search your device's name plus "setup." (Stick to well-known channels; never call a number a video flashes on screen.)
- **And me, anytime** — when you'd rather just ask a real person who'll explain it kindly.

A few parting words

Here's the truth to carry away: **a Google TV or Chromecast turns any TV into a window on the whole world of streaming — and once it's set up, it's genuinely easy to use.** The remote and voice search find anything in a moment, casting sends your phone's videos and photos to the big screen, and a great deal is there to enjoy for free.

Don't feel you must use every feature. The basics — the home screen, voice search, your favorite apps, and casting — are where nearly all the joy is. Set those up, and you've got a wonderful entertainment center. And you can't break anything by exploring the menus.

And if it won't connect, the remote puzzles you, or a message on the TV ever seems off, that's exactly what I'm here for. No question is too small.

How I can help

I'm Bill, and helping folks feel at home with their technology is what I've done for more than 30 years. I serve **Portage County, Ohio**, in plain English, at a pace that suits you — whether that's setting up your Google TV, signing in to your apps, setting the remote to control your TV, teaching you casting, or sorting out why something won't connect. There's never any rush, and you can book a visit any time at **billshometech.com/book**.

FROM BILL

My standing offer

If anything about your Google TV or Chromecast ever puzzles you, pick up the phone. No question is too small, no problem too silly. I'll come out, or talk you through it, as plainly and as patiently as it takes. That's the whole reason I do this work. Enjoy all the shows, movies, and videos your TV can now bring you — you're going to do just fine.

— Bill · Bill's Home Tech · (330) 200-8042 · BillsHomeTech.com/book