



XUDHAKANTHA

সুধাকণ্ঠ

Director's Digital Notebook

পৰিচালকৰ ডিজিটেল টোকাবহী

Installation Guide

English edition · October 2026

Dedicated to Bharat Ratna Sudhakantha Dr Bhupen Hazarika (1926–2011) in commemoration of his birth centenary.



Created by Dr Mrinal Jyoti Goswami on behalf of AANK_A Creative Line, Assam, India.
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XUDHAKANTHA · সুধাকণ্ঠ

Installation Guide · English edition

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CHAPTER 1

01

Before you begin

XUDHAKANTHA runs in the web browser of any phone, tablet or computer. It can be installed like an app and then works without the internet.

Two ways to use it

Way	Best for
Web app from aank.org (recommended)	Most people. Open the page once, install it, and it updates itself when a new version is released.
Portable file	Computers without a reliable internet connection, festivals and workshops. One HTML file that can be copied on a pen drive.

Requirements

- Android 8 or later with Chrome; iPhone or iPad with iOS 16.4 or later and Safari.
- Windows 10 or 11, macOS, ChromeOS or Linux with a recent Chrome or Edge. Firefox and Safari also work, with fewer installation options.
- About 50 MB of free space to start with. Photos and PDF scripts need more.

NOTE

Everything you enter is stored only on your device, inside the browser. Nothing is uploaded. This is why the backup steps in this guide matter.

CHAPTER 2

02

Opening XUDHAKANTHA

Open the XUDHAKANTHA page on aank.org, then enter the notebook.



aank.org/digital-tools/xudhakantha

Scan with the phone camera to open the XUDHAKANTHA page.

- 1 Scan the QR code, or type aank.org/digital-tools/xudhakantha in the browser.
- 2 On the XUDHAKANTHA page, tap the button that opens the app. The app itself lives at aank.org/apps/xudhakantha, where the start page offers “Open XUDHAKANTHA”, “Install” and the offline file.
- 3 The notebook opens with the welcome screen and its dedication. Tap Enter, choose English, Assamese or both, and begin. The User Manual explains everything from here.



Figure 2.1 The XUDHAKANTHA start page at aank.org/apps/xudhakantha on a computer.

CHAPTER 3

03

Installing on Android

Chrome on Android installs XUDHAKANTHA as an app with its own icon.

- 1 Open aank.org/apps/xudhakantha in Chrome.
- 2 Tap the Install button on the start page or in the notebook's top bar. If you do not see it, open the Chrome menu (⋮) and tap “Install app” or “Add to Home screen”.
- 3 Confirm with “Install”. The XUDHAKANTHA icon appears on the home screen and in the app list.
- 4 Open it from the icon from now on. It opens full screen, like any other app.



Figure 3.1 The XUDHAKANTHA start page on a phone.

NOTE

If a link opened inside WhatsApp, Facebook or another app shows a red bar saying that the viewer has blocked the app, open the link in Chrome or Safari instead.

TIP

Before a rehearsal in a hall without signal, open the notebook once while you still have the internet. After the first opening everything is stored on the phone.

CHAPTER 4

Installing on iPhone and iPad

04

On iPhone and iPad, installation is done from Safari's Share menu.

- 1 Open aank.org/apps/xudhakantha in Safari. The start page also shows these steps.
- 2 Tap the Share button (a square with an upward arrow).

- 3 Scroll down and tap “Add to Home Screen”, then “Add”.
- 4 Open XUDHAKANTHA from its new home-screen icon.

IMPORTANT On iPhone and iPad, the home-screen app keeps its data separately from Safari. Install first and always work in the installed app; work done in a Safari tab will not appear in the app. If you have already worked in Safari, take a backup there and restore it in the app.

CHAPTER 5

05

Installing on a computer

On Windows, macOS, ChromeOS and Linux, Chrome and Edge install XUDHAKANTHA as a desktop app.

■ Chrome or Edge

- 1 Open aank.org/apps/xudhakantha and open the notebook.
- 2 Click the Install button in the top bar, or the install icon at the right end of the address bar.
- 3 Click “Install”. XUDHAKANTHA opens in its own window and is added to the Start menu (Windows), Launchpad (macOS) or the app launcher.
- 4 To keep it handy, right-click its icon in the taskbar or Dock and pin it.

■ Safari on a Mac

In Safari 17 or later choose File, then “Add to Dock”. In older versions, use Chrome or Edge, or simply bookmark the page.

NOTE Firefox on a computer offers little or no support for installing web apps. XUDHAKANTHA still works fully in a Firefox tab, including offline; keep the tab bookmarked.

CHAPTER 6

06

Offline use, updates and storage

How XUDHAKANTHA behaves without the internet, how it updates and how to keep your data safe.

■ Working offline

After the first visit, the notebook, its PDF viewer and its icons are kept on the device. It opens and works in airplane mode, in rehearsal halls without signal and on tour. The status bar at the bottom shows “Works offline”.

■ Updates

When a new version is published on aank.org and the device is online, a message appears: “A new version is ready.” Tap “Update now”. Your work is saved first and is not changed by the update.

■ Keeping data safe

- Take a backup from Settings at the end of each week and before any journey or festival. Keep the file off the device.
- In Settings, tap “Protect data from automatic browser clean-up”. Installed apps are usually protected already.
- XUDHAKANTHA also keeps five automatic backups (About › Saving and backups) and reminds you when no file has been saved for seven days. If saving ever fails, a red bar says so at once.
- Do not clear the browser's site data for aank.org without a backup.

■ Moving to a new phone or computer

- 1 On the old device: Settings → “Download full backup (all productions)”.
- 2 Send the .ddnbak file to the new device by email, Drive, a cable or a pen drive.
- 3 On the new device: install XUDHAKANTHA, then tap “Restore from backup” and choose the file.

■ Uninstalling

Remove XUDHAKANTHA like any other app: long-press the icon on a phone, or use the app's window menu on a computer. Removing the app may delete its data, so take a backup first.

CHAPTER 7

07

The portable version

A single file that contains the complete notebook, for computers that are offline or cannot install apps.

- 1 Download XUDHAKANTHA-1.0.0.html from “Download the offline file” on the start page and copy it to the computer, for example into Documents. Keep it in the same place from then on.
- 2 Double-click it. It opens in the default browser; Chrome or Edge is recommended.
- 3 Bookmark the page so you always open the same file in the same browser.

IMPORTANT The browser stores the portable version's data according to the file's location. If the file is moved, renamed or opened in another browser, the notebook will look empty. Your work is not lost: open the file from its old place, take a backup and restore it in the new place.

Running from a pen drive is possible, but the drive letter can change between computers. For daily work, copy the file to the computer's own disk. The portable version does not update itself; replace the file when a new version is released.

CHAPTER 8

08

For the website administrator

How to publish XUDHAKANTHA on aank.org, link it from the XUDHAKANTHA page, and release updates.

Two addresses

Address	What it is
https://aank.org/apps/xudhakantha/	The app folder: the start page (index.html), the app (app.html), offline support, icons, the offline file and the guides. It is uploaded from the zip.
https://aank.org/digital-tools/xudhakantha/	The WordPress page about XUDHAKANTHA, made in Elementor. The QR code points here, and its main button links to the app folder.

What is in the web package

```
xudhakantha/      (upload into public_html/apps/)
├── index.html     start page: open, install, offline file, guides
├── app.html       the notebook itself
├── manifest.webmanifest  app name, icons and colours for installation
├── sw.js          offline support and updates
├── .htaccess      server settings (hidden file, upload it too)
├── icons/         home-screen and browser icons (the cap mark)
├── assets/        og-image for link previews, AANK logo, fonts
├── vendor/        PDF viewer (PDF.js) used to open script PDFs
├── downloads/     the offline file and the demo production
├── docs/          user manuals and installation guides (PDF)
└── README-UPLOAD.txt  the upload steps in short
```

Uploading to aank.org

- 1 Sign in to the hosting control panel (cPanel or Hostinger) and open File Manager, or connect with an FTP program such as FileZilla.
- 2 Inside public_html, open the folder apps, or create it if it is not there yet.
- 3 Upload XUDHAKANTHA-1.0.0-web.zip into public_html/apps/ and choose Extract. This makes public_html/apps/xudhakantha/ with index.html inside.
- 4 Turn on “Show hidden files” and check that .htaccess is inside xudhakantha/.

- 5 Open <https://aank.org/apps/xudhakantha/> (the start page) and <https://aank.org/apps/xudhakantha/app.html> (the app, which opens with the welcome screen). HTTPS is required for installation and offline use.

NOTE

The earlier test address aank.org/xudhakantha-app/ is no longer used. If that folder was ever published, remove it or redirect it to <https://aank.org/apps/xudhakantha/>.

■ The XUDHAKANTHA page in Elementor

Create the WordPress page `/digital-tools/xudhakantha/` with the bilingual text of the landing kit, or paste the kit's HTML widget into one Elementor HTML widget. Link the main button to:

```
https://aank.org/apps/xudhakantha/
```

The QR code in the kit points to <https://aank.org/digital-tools/xudhakantha/>. Keep the app folder outside the WordPress page path `/digital-tools/`.

■ Caching, optimisation plugins and Cloudflare

- Exclude `/apps/xudhakantha/` from page caching, minification, combining and lazy-loading in plugins such as LiteSpeed Cache, WP Rocket or W3 Total Cache.
- On Cloudflare, add a Cache Rule to bypass the cache for `sw.js` and `manifest.webmanifest`, and turn off Rocket Loader for `/apps/xudhakantha/`.
- Do not edit `app.html` in an online editor that might change its encoding. It must stay UTF-8.

■ Publishing an update

- 1 Upload the new zip and extract it over the old folder, or upload the changed files. `app.html` and `sw.js` always change.
- 2 Clear the site cache and any Cloudflare cache for `/apps/xudhakantha/`.
- 3 Users see “A new version is ready” with an “Update now” button the next time they are online. Their data is not affected.

■ Launch checklist

Check	Expected result
Open the start page on Android, iPhone and a Windows computer	The mark, text, buttons and guides appear correctly in English and in Assamese

Check	Expected result
Open the app and open the demo production from the welcome screen	Every section opens without errors
Install on Android Chrome and on a computer	An icon appears; the app opens in its own window
Turn on airplane mode and open the installed app	The app opens and works; a PDF can be imported
Send the demo production to SRINIBARAN and open it there; send work back and use Open from	The work arrives in the other app; Documents from other apps lists what came back
Take a full backup, restore it on another device	All productions and photos come back
Scan the QR code from a printed copy	The XUDHAKANTHA page at aank.org/digital-tools/xudhakantha opens

■ Troubleshooting

Q A red bar says that the viewer has blocked the app.

The link was opened inside an app such as WhatsApp or Facebook that blocks web apps. Open the link in Chrome or Safari.

Q The page is blank or shows strange characters.

An upload was incomplete or a file was re-saved in another encoding. Upload app.html again as it was supplied, and check that .htaccess is present.

Q There is no Install option.

The site must open over HTTPS, and manifest.webmanifest and sw.js must be reachable. Private or incognito windows do not offer installation. On iPhone use Safari's "Add to Home Screen".

Q Users keep seeing the old version.

sw.js is being cached. Check the no-cache rule in .htaccess and the Cloudflare or plugin exclusions, then clear the caches.

Q Script PDFs do not open.

The vendor folder is missing or incomplete. Upload vendor/pdf.min.js and vendor/pdf.worker.min.js again.



XUDHAKANTHA সুধাকণ্ঠ

A bilingual, offline notebook for theatre directors and production teams: script and director's notes, staging and blocking in 2D and 3D, actor preparation, rehearsal diary, lighting design, cue sheets and performance history, kept together as the complete working memory of a production. The mother app of the AANK theatre studios.

aank.org/digital-tools/xudhakantha



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