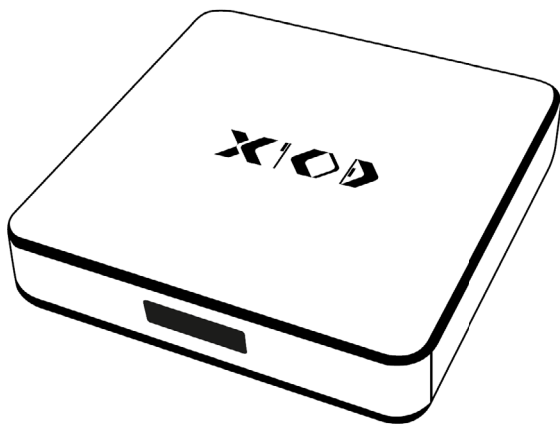




Android box



Instruction manual

Ver1.0

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Welcome to the world of Newline.

Thank you for choosing Newline Android box X10D. Please use this document to get the most out of the product.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment 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 equipment 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 equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment 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 equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

The device has been evaluated to meet general Radiation exposure requirement. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located for operating in conjunction with any other antenna or transmitter. Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

The symbol of the crossed out wheeled bin indicates this product should not be placed in municipal waste. Instead, dispose of waste equipment by taking it to a designated collection point for electrical and electronic equipment recycling.



Extreme Test Temperature:-10 °C to +60 °C

About This Document

This document describes multiple functions, instructions, and notes about the product. Symbols are used in this document to indicate operations that need particular attention. The symbols are defined as follows:

 NOTE	Provides additional information to supplement operation in the main text.
 CAUTION	Indicates a potentially hazardous situation that, if not avoided, could result in equipment damage, data loss, performance deterioration, or unanticipated results.
 WARNING	Indicates a hazard with risk that, if not avoided, could result in death or injury.

Safety Instruction

For your safety, please read the following instruction before you use the product. Serious injury or property damage may be caused by improper operations. Do not try to repair the product on your own.

 WARNING	
	Disconnect the product from power supply immediately if major failures occur. Major failures include the following: • Smoke, peculiar smell or abnormal sound is discharged from the product. • No image or sound is displayed, or the image error occurs. In the preceding scenarios, do not continue to use the product. Disconnect power supply immediately and contact professional staff for troubleshooting.
	Do not drop liquid, metal or anything combustible into the product. • If any liquid or metal is dropped into the product, power off the product and disconnect power supply, then contact professional staff for solutions. • Pay attention to children when they are close to the product. Put the product on a stable surface. An unstable surface includes and does not limited to an inclined plane, a shaky stand, desk or platform, which might cause turnover and damage.



WARNING



Do not open the cover or change the product on your own.

High voltage components are installed in the product. When you open the cover, high voltage, electric shock, or other dangerous situations may occur.

If inspection, adjustment, or maintenance is required, contact the local distributor for help.



Use the specified power supply.

- To prevent the product from being damaged, do not use any cables or AC adapters other than the one provided with the product.
- Pull out the power plug or AC adapter from the socket if the product is not used for a long period.

Clean the dust and metal on the power plug regularly.

- Fire or electric shock may be caused if the product is powered on, when you are cleaning.
- Pull out the power plug or AC adapter before cleaning it with a dried cloth.



Do not put items on the top of the product.

- Do not put items, such as a container for liquid (a vase, flowerpot, cosmetics or liquid medicine) on the top of the product.
- If any water or liquid is spilled on the product, a short circuit may occur and cause fire or electric shock.



Do not install the product in an improper place.

- Do not install the product in humid places, such as the bathroom, the shower room, near windows, or outdoor environments that experience rain, snow or other harsh weather. Avoid installation near hot spring vapor. The preceding environments may cause faults in the product or electric shock under extreme conditions.
- Do not put exposed fire source, such as an ignited candle, on the product



Pull out the power plug during thunderstorms.

- Do not touch the product during a lightning storm to avoid electric shock.
- Install or place components that supply high enough voltage to cause personal injury out of the reach of children.



Do not touch the power cable or AC adapter with wet hands.



Do not install the product in high temperature environments.

- Do not install the product near a heat source, such as a radiator, a heat reservoir, a stove or other heating products.



CAUTION



- Do not expose the product to direct sunlight, which may cause high temperatures and subsequent faults in the product.



For transport.

- Pack the product for transport or maintenance by using the cartons and cushioning material provided with the product.
- Before you move the product, disconnect all external connections and separate all toppling preventing products. Move the product carefully to prevent it from being hit or squeezed.



Do not cover or block up any vents on the product.

- Any overheated components may cause fire, damage the product, and shorten the service life.
- Do not lay the product down where the venting surface will be covered.
- Do not install the product on a carpet or cloth.
- Do not use a cloth such as table cloth to cover the product.



Use the battery correctly.

- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions.

Use the standard configuration HDMI cable.

The device must use the HDMI cable that we provide in the accessory box.

Do not damage the power cable.

- Do not damage, change, twist, bend, or forcibly drag the power cable or AC adapter.
- Do not put weights (such as the product itself) on the power cable or AC adapter.
- Do not forcibly drag the cable when you pull out the power plug or AC adapter. If the power cable or AC adapter is damaged, please contact the local distributor to repair or replace it.

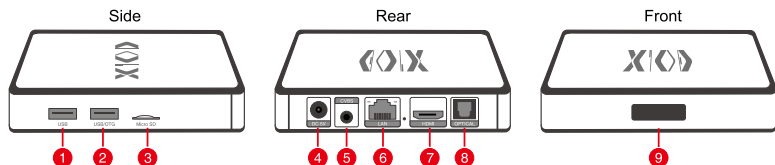
The power cable or AC adapter in the accessory box is for this product only. Do not use it on other products.

Keep away from the product when you use a radio.

The product complies with the international EMI standard to prevent radio interference. However, interference may still exist and causes noise in the radio. If noise occurs in the radio, try the following solutions.

- Adjust the direction of the radio antenna to avoid the interference from the product.
- Keep the radio away from the product.

parts



No.	Part	Function Description
1	USB	For connecting USB devices such as mouse, keyboard and USB flash memor . (FAT32).
2	USB/OTG	For connecting USB devices such as mouse, keyboard and USB flash memor . (FAT32).
3	Micro SD card slot	Support 1 GB/ 2 GB/ 4 GB/ 8 GB/ 16 GB/ 32 GB.
4	DC/5V	For connecting AC adapter or power cable.
5	CVBS	For connecting external speakers.
6	LAN	For connecting local area network.
7	HDMI	For connecting IFPD.
8	Optical (SPDIF)	For connecting external speakers.
9	Indicator	Blue: Working state.
		Red: Stand by state.

Accessories

Items	Amount
X10D	1
HDMI Cable	1
Power Adapter with all-purpose interface(EU&UK&US&AU).	1
Instruction manual	1

Before installation

Safety precautions



Avoid Electric Shock



Avoid Strong Magnetic Field



Keep Temperature Below 120° F (≤50°C)



Keep Relative Humidity Under 70%



Avoid Any Corrosive Liquids

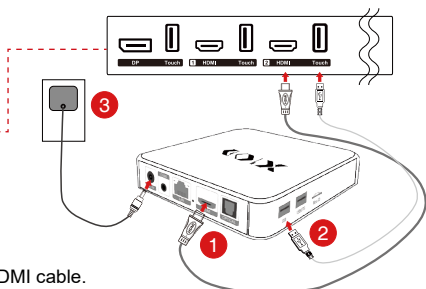
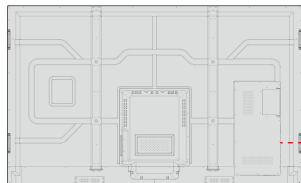


Do Not Use Outdoors



Keep Away From Combustible Vapors (gas leaks, etc.)

Installation



Step 1. Connect X10D to IFPD with a HDMI cable.

Step 2. Connect X10D to IFPD with a USB cable.

Step 3. Plug the AC adapter to the 110-240 V power outlet fully and plug the connector into X10D power input port or plug the power code to power output port on Newline IFPD and the other end to X10D power input port.

Start X10D

Step 1. Make sure that IFPD and X10D are connected properly.

Step 2. At the signal source selection of the devices such as IFPD, chose the signal source X10D is connected.



X10D has no power button. It is powered on upon power connection.

Standby mode

Press  icon in the bottom toolbar X10D will go into the standby mode. (Please also see the section “Bottom toolbar”.)

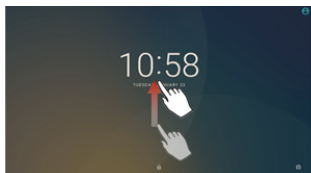
Or use may set the time to standby mode at Power Management in System Setting.

Wake Up

When the Android box is in standby mode, tap the IFPD screen at the signal source X10D is connected and X10D wakes up.

When mouse is connected, move the mouse and it will wake X10D up.

- If screen lock is active in X10D, swipe up the screen and enter the key. After entering the correct key, it goes to the last page before getting in to the standby mode.



Standby state



Enter password

For setting screen lock, go to Security in system setting, Users may set the lock method, lock time, and power button lock.

- If screen lock is off, tap the IFPD screen and X10D directly goes to the last page shown before going to standby mode.

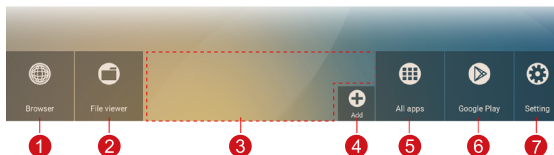
Home screen overview



No.	Part	No.	Part
1	Logo (Shortcut to Logo & Wallpaper Setting)	4	Floating toolbar
2	Date & time (Shortcut to Date&time setting)	5	Main toolbar
3	Indicators	6	Bottom toolbar

Main toolbar

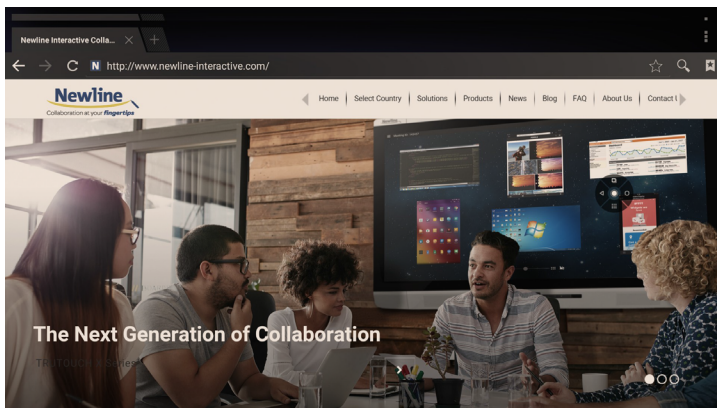
◆ Main toolbar overview



No.	Part	No.	Part
1	Browser	5	Application list
2	File viewer	6	Google Play
3	Shortcut slot	7	Setting
4	Add shortcut		

◆ Browser

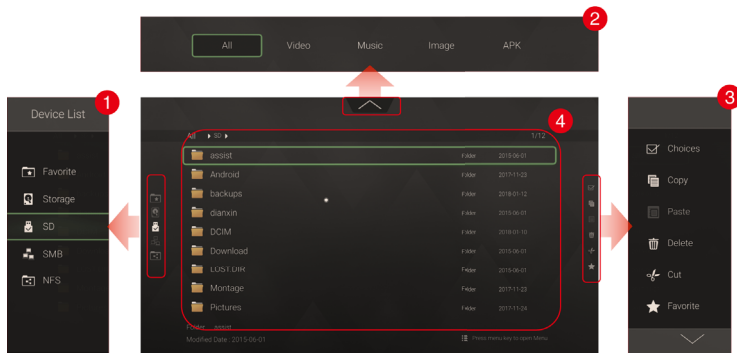
Click the browser icon to access the browser and surf on the Internet.



◆ File viewer

X10D supports connection to USB flash memory and Micro SD card. Enter the File Viewer application, you can preview all files in the internal storage and external storage devices connected via USB ports and select, copy, paste, delete and search for files

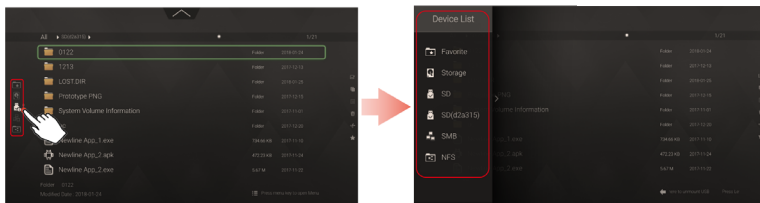
File viewer Page



No.	Part	No.	Part
1	Device list	3	Menu bar
2	Filter bar	4	File list

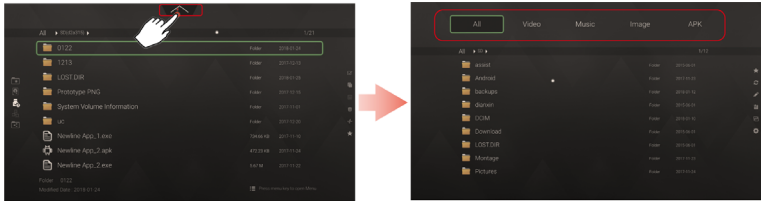
Device List

Click left side of the screen and the device list will be shown as in the figure below. The device list includes internal storage, external storage such as USB flash memory and Micro SD card, network SMB, and network NFS.



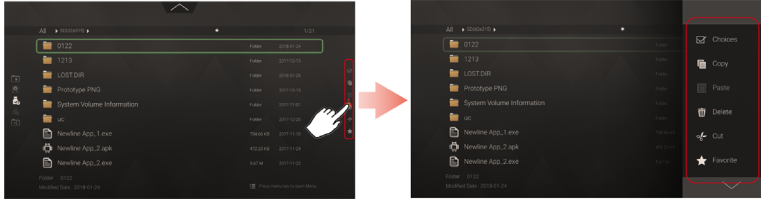
Filter Bar

Click  and filter bar will be shown as in the figure below. You can filter files by type such as video, music, picture, and application files.



Menu Bar

Click right side of the screen and Menu bar will be shown as in the figure below. The menu bar contains basic functions for file operation, including multi-select, copy, paste, delete, cut, favorite, refresh, rename, new, view, and setting.



◆ Shortcut

Users can add up to 11 shortcuts of their favorite applications to the home page by the following steps.



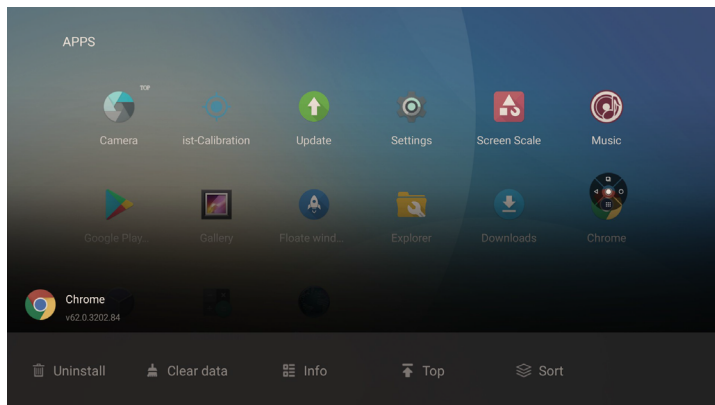
Step 1. On the home page, click  and open the setting page.

Step 2. Click and add check mark to favorite applications to add shortcuts.

◆ Application list

Click All Apps icon and the application list will be shown. The application list contains default apps and the apps users installed.

Click the icon to activate the app or press and hold for other menu including Uninstall, Clear data, Info, Top and Sort.



- Uninstall: Uninstall the application.
- Clear data: Clear historic data of applications.
- Info: View information related to applications.
- Top: Place the application icons to the top of the page.
- Sort: Users may sort the applications by alphabetical order, installed time or usage frequency.

◆ Google Play

Click icon and access Google Play to download and install favorite apps.

Note

It requires Google account to download apps from Google Play.

◆ Setting

Click Setting and users can access to system setting. For more detail, please also see System Setting chapter.

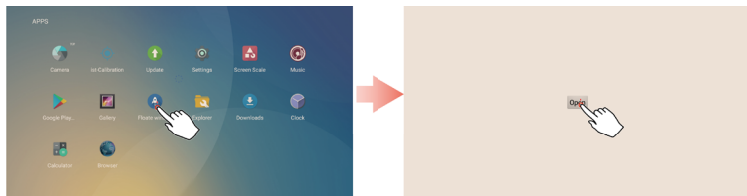
Floating toolbar

Floating toolbar provides various shortcut introduced below.

Floating toolbar	Icon	Function
		Return to previous menu/Exit.
		Manage currently running applications.
		Return to the main page.
		Browse all applications.
		Minimize/Maximize the floating toolbar.

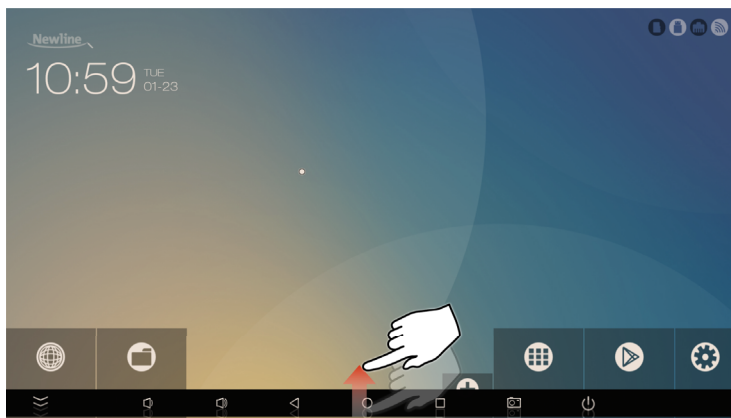
Enabling and disabling the floating toolbar: Click the  icon on the home page to access the **Application List** submenu.

- If the floating bar is not activated, click  to open Floater windows app and then click **Open**.
- If users want to disable the floating toolbar, click  to open Floater windows app and then click **Close**.



Bottom toolbar

Bottom toolbar appears by swiping up from the bottom of the screen, as in the following figure. You may click the  icon to hide it or it will be automatically hidden if there is no access for 5 seconds.



Icon	Function	Icon	Function
	Hide the toolbar.		Return to the Home screen.
	Decrease the sound volume.		Manage currently running applications.
	Increase the sound volume.		Take a screenshot.
	Return to the last menu/exit.		Press: Go into the standby mode. Press and hold: Reboot the Android box.

Enter the System setting page using one of the following methods:

- Click  on the home screen.
- Click  at All apps.

Item	Function
Wi-Fi	Enter Wi-Fi submenu, and users can connect to Wi-Fi.
Ethernet	Enter Ethernet submenu, turn on Ethernet setting and X10D can automatically obtain the LAN IP address or set static IP address according to requirements.
Display	Enter Display submenu to set font size, logo, and wallpaper.
Apps	Enter Apps submenu to view downloaded applications by type, or disable/uninstall/force stop apps.
Memory	Enter Memory submenu to view the total memory of devices, average memory used, and memory used by different running applications.
HDMI	Enter HDMI submenu to set resolutions and zoom in/out screen.
Sound & notificatio	Enter Sound & notification submenu to set sound and notification
Storage & USB	Enter Storage & USB submenu to view space allocation of the internal and external storage.
Users	Enter Users submenu to create new users or profiles. Users can have their own apps and content.
Screenshot Setting	Enter Screenshot setting submenu to set delay time to capture the screen and location to save the screenshot.
Location	Enter Location submenu to use Wi-Fi to determine the location.
Accounts	Enter Accounts submenu to add accounts such as Google account.
Language & input	Enter Language & Input submenu to set language and input method.
Security	Enter Security submenu to set screen lock method and time, device administration etc.
Google	Enter Google submenu to view Google account information etc.

Item	Function
Backup & reset	Enter Backup & reset submenu to back up user data and reset a network to restore to factory setting.
Date & time	Enter Date & time submenu to set the date and time and time format.
Accessible information	Enter Accessible information submenu to set up accessibility.
About X10D	Enter About X10D submenu to view various status including network status, firmware version and system version. Users can also update the firmware or do factory reset
Power management	Enter Power management submenu to set the time to standby mode.

Model	X10D
Processor	CPU: Rockchip, RK3368 Octa Core up to 1.5 GHz (Cortex-A53 64 bit) GPU: SG X 6110; support 4 K x 2 K H.265/ H.264.
Memory	2 GB DDR3.
Internal Storage	16 GB eMMC.
Operating System	Android 6.0.1, Built in Google Play Store, Support OTA function.
Network connectivity	• IEEE 802.11 a/ b/ g/ n, 802.11 AC, 5 150 MHz to 5 250 MHz, 5 725 MHz to 5 850 MHz (5.0 GHz ISM Band) AP6335 dual-band WIFI. • RJ-45 Ethernet Jack (10/ 100/ 1000 Mbps).
Power	DC 5 V/ 2 A.
I/ O ports	• HDMI output port: Support 4 K@60 fps/ HD Audio(7.1 CH). • Micro SD card slot x 1: Support 1 GB/ 2 GB/ 4 GB/ 8 GB/ 16 GB/ 32 GB. • USB 2.0 port x 1. • USB 2.0 OTG port x 1. • CVBS port x 1. • S/SPDIF x 1: 2 CH, 5.1 CH. • External power needed if USB connects to over 1 TB mobile HDD.
Weight	300 g.
Dimension	108 mm x 108 mm x 21 mm.

The device is going to be operated in 5150~5250MHz frequency range. It is restricted indoor environment only.

For more information

Please visit our website (www.newline-interactive.com)

Contact Us for Support

Please email us at support@newline-interactive.com.

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