

User Guide

V1.1



This guide provides information about the preparation and basic installation operations.

Reading Tips

1. Documentation:

- (1) Items Checklist
- (2) User Guide

2. For Software Installation Packages and Other Operating Instructions:

Download at www.infly3d.com

- (1) Installation package of 3DModelProcess (the Model Processing Software)
- (2) PLAY APP Operating Instructions
- (3) Light Box manual (only for light box purchasers)
- (4) Tips for using the embedded APP

3. Tips for Usage

- (1) The system will update automatically. It is recommended to be updated as prompted.
- (2) If the Projection Settings App has been used, please reset the projection settings to defaults before scanning.

Warnings:

The product cannot be returned if the “VOID IF REMOVED” labels on the device are removed.

Do not look directly at the projected light, or project the light directly at eyes.

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Product Details

A Compact, Portable & Easy-to-Use 3D Scanner



The globally original portable high-accuracy Android 3D scanner is equipped with a 7.0-inch high-definition display, embedded computing power and high-capacity lithium battery. It is a good helper for industrial VR/AR color reverse modeling, 3D portrait shooting and outdoor work. It can scan and export 3D models without connecting to a computer. With cloud computing and storage technologies, users can compute, store and share 3D models on the cloud platform. The fully automatic and simple operation makes it easy to use for users at all ages.

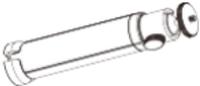
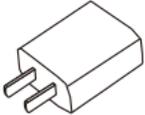
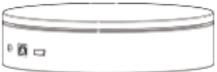
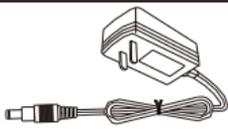
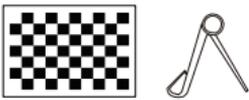
Note: √ means scannable, √ means partially scannable, × means unscannable or unsatisfactory scanning effect.

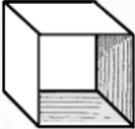
Type	Category	Scannable	Comment
Material	Metal (non-highly reflective)	√	
	Gypsum	√	
	Plastic (Opaque)	√	
	Paper Material	√	
Special Surface	Mirror Surface	×	
	Highly-reflective Surface	√	There is noise in the reflective area; spray powder before scanning.
	Glass	×	
	Jade	√	Require opaque surface
Color	Black	√	
	White	√	
	Multiple Colors	√	Require color uniformity

Technical Specifications

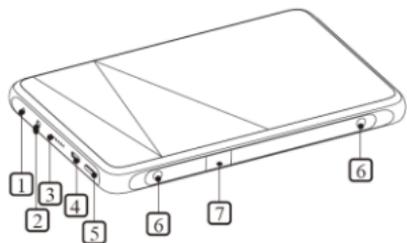
Product Model	Fingo S1
CPU	RK3399
RAM	4GB
System	Android 7.1
ROM	64G/32G
Scanner Dimensions	(L)192×(W)122×(H)15(mm)
Weight	Net Weight 520g
Turntable Dimensions	φ200×50(mm)
Scanning Volume	300mm×200mm×250mm
Texture Resolution	2 to 13 Megapixels
Model Accuracy	0.1mm@450mm (scanning distance of 450mm)
Fill flash Mode	Projector light source
Scanning Speed	≤2min/circle
Scanning Computing Mode	Alibaba Cloud
Screen Resolution	7.0-inch 2K high-definition capacitive touch display
Battery	3100mAH
Data Transfer	Type-C, Blue tooth, WiFi
Projection Resolution	1920×1080
Power	5v Quick charge
Turntable Loading	≤5KG
Camera	13 megapixels (2 cameras)
Output Format	ply/stl/obj

Accessories

No.	Item	Picture
1	Scanner	
2	Tripod	
3	Quick Charge	
4	TYPE-C Data Cable	
5	Turntable	
6	Turntable Adapter 13V	
7	Bracket, Calibration Board	

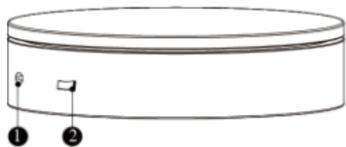
8	Positioning Pad	
9	Blue Tack	
10	Object (Sample)	
11	Cleaning Cloth	
12	User Guide (including Warranty Card and Certificate)	
13	Light box	

External Interfaces and Functions



- | | |
|--------------------------|--------------|
| ① Charging Port | ⑤ On/Off |
| ② Headphone Jack | ⑥ Camera (2) |
| ③ Speaker | ⑦ Projector |
| ④ Type-C (Data Transfer) | |

- ① Charging Port ② On/Off



Scanning Volume

(Horizontal) Scanned object volume:

(H)200*(L)300*(W)250(mm)



(Vertical) Scanned object volume:

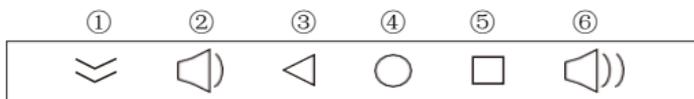
(H)300*(L)200*(W)250(mm)



Notice: When the scanner is placed vertically, the calibration board should also be placed vertically.

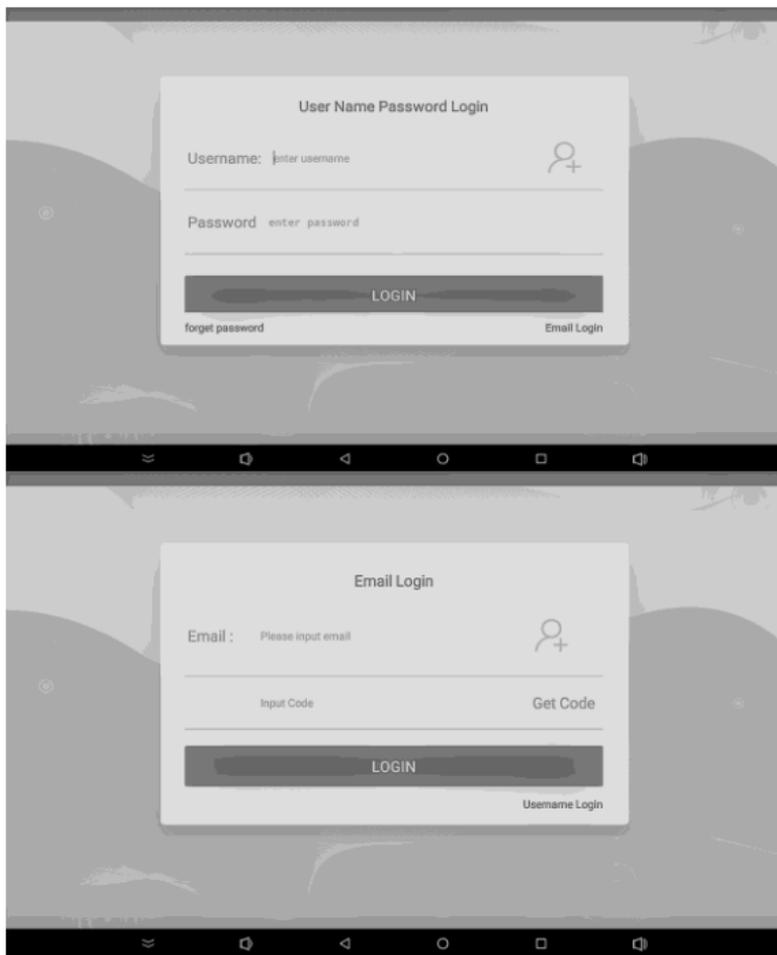
Hidden Shortcuts

Swipe up from the bottom edge of the screen to find the hidden shortcuts.



- ①Hide menu ②Volume down ③Back to previous
④Go to Home screen ⑤Manage running app ⑥Volume up

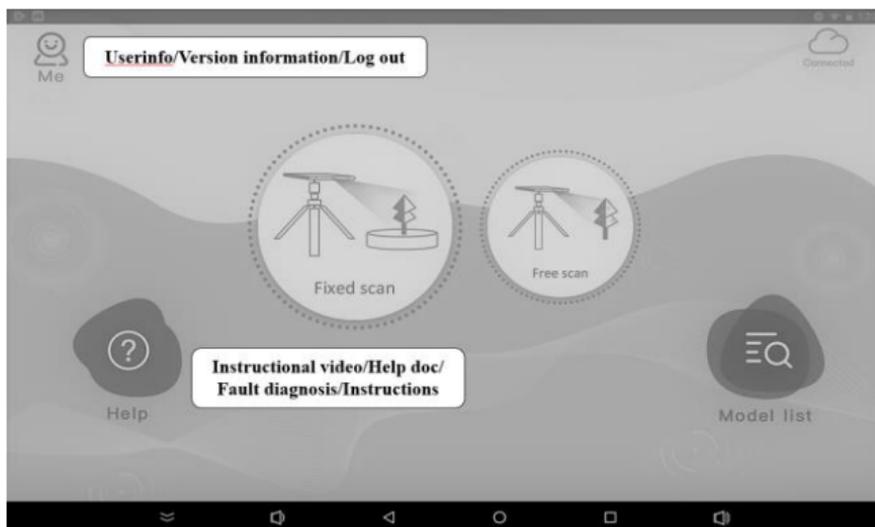
Alibaba Cloud Server



[Alibaba Cloud Server]

- ①The device utilizes Alibaba Cloud Server to process the data.
- ②Log in via a user name and a password, or via email and the verification code.
- ③Log in the model management page through www.infly3d.com.

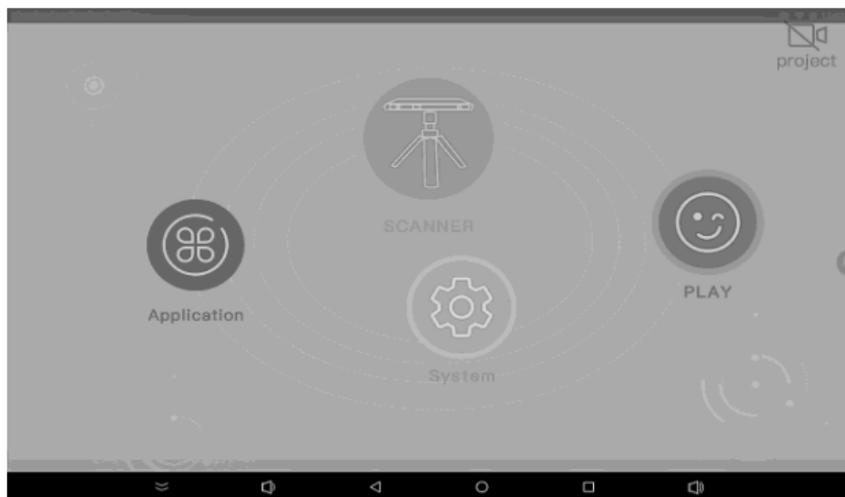
Functional Interface Display



Operating Instructions

3D Scanning Instructions

Step one: Tap SCANNER



Step two: Login

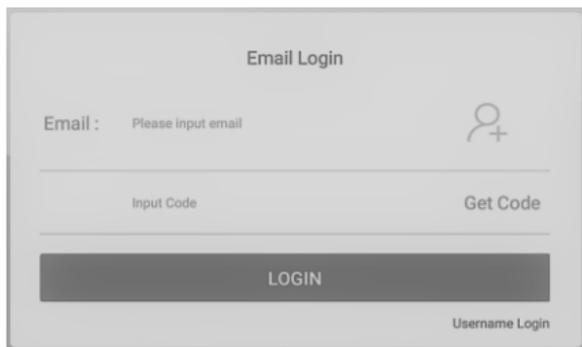
1) Log in with user name or email address.

User Name Password Login

Username: 

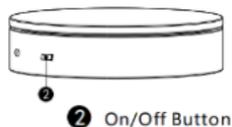
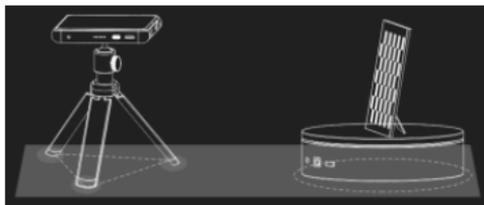
Password

[forget password](#) [Email Login](#)



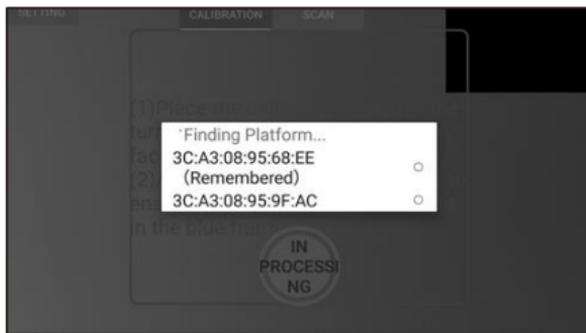
Step three: Installation and layout

- 1) Place the scanner onto the tripod.
- 2) Place the scanner and the turntable on the positioning pad; put the calibration board / scanned object at the center of the turntable.
- 3) Connect the turntable to a power outlet and switch it on.



Step four: Bind the turntable

(After binding the scanner to the turntable, the system will automatically pair the scanner with the bound turntable.)



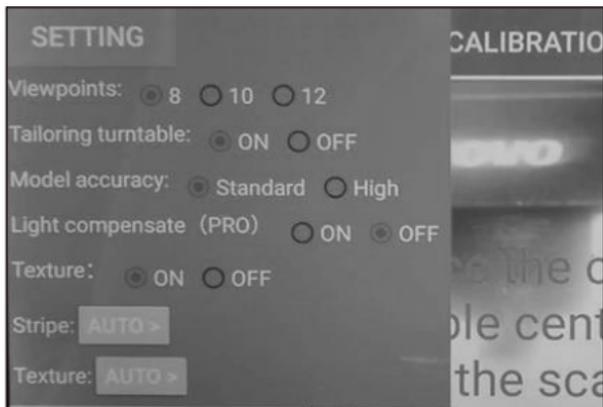
After selecting “Fixed scan”, the turntable needs to be matched. Check the MAC address at the bottom of the turntable for the “Turntable Physical Address”. Select the same MAC address displayed on the screen.

Step five: Scanning

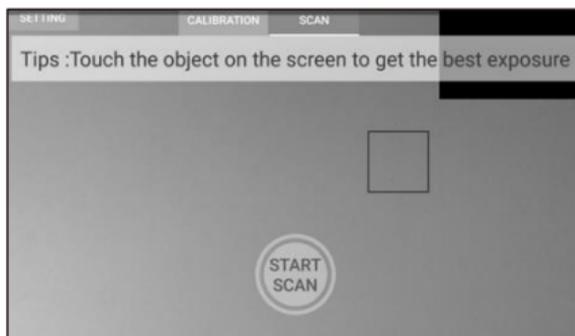
- 1) Tap Fixed Scan;



- 2) Tap SETTING to adjust the parameters. Adjust the scanner to ensure the calibration board is completely within the blue box. Tap Start Calibration. If the calibration succeeds, place the object at the center of the turntable;



3) Touch the object on the screen to get the best exposure of the object;



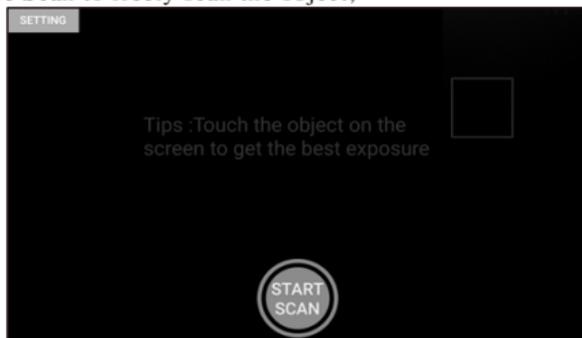
4) Tap Start Scan, the object would automatically rotate on the turntable, and a 3D model will display after the scan finishes;



5) Export the model in ply/stl format.



6) Tap Free Scan to freely scan the object;

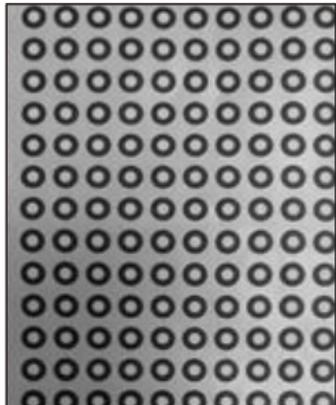


Complete the calibration process in Step 3 before this step.

Attach markers on the object before free scan;

Free scanning only scans one side of the object at a time. If the whole object needs to be scanned, rotate the object 15-20 degrees in one direction after each scan, and tap Scan to continue scanning. (The two scanned sides will automatically align. The red one is the latest scanned side. Check if the two sides have been aligned successfully. If not, tap Delete to scan again);

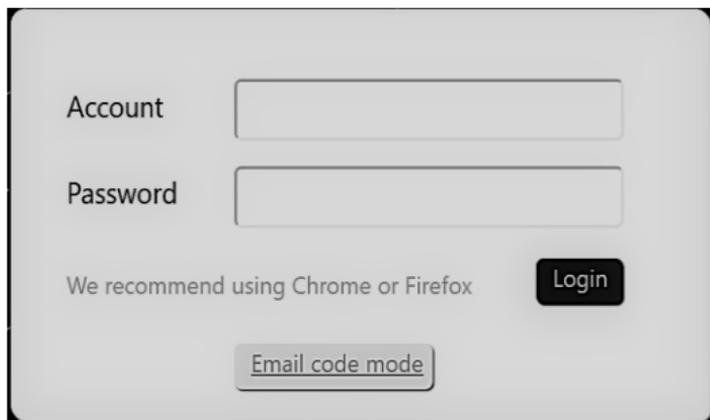
Refer to Step 5 for file export.



Model Management Website

The model management website: www.infly3d.com

It is recommended to use Google Chrome or Firefox web browser.



The screenshot shows a login interface with the following elements:

- An input field labeled "Account".
- An input field labeled "Password".
- A text prompt: "We recommend using Chrome or Firefox".
- A dark "Login" button.
- A button labeled "Email code mode" with a rounded rectangular border.

Login:

Log in with the registered user name and password or Email and the verification code to check all scanned models in Alibaba Cloud Server.

【Notice】

- 1) All models scanned by the device under Alibaba Cloud Server are stored in the Model Management Page.
- 2) If the models are deleted in the device, the web page still retains them.

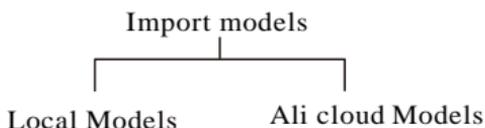
Model Processing Software - 3DModelProcess



3DModelProcess

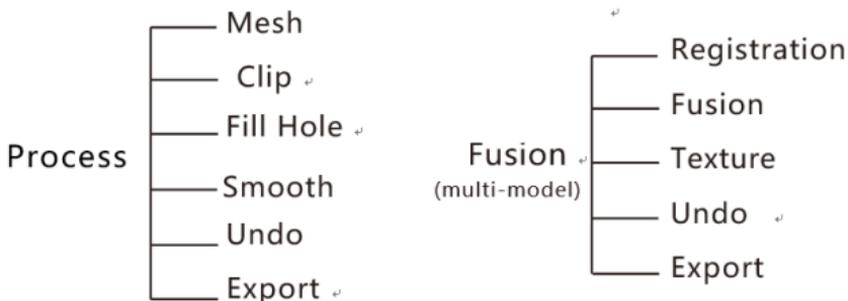
Download the software at www.infly3d.com

1. Click the drop-down button beside the Model button to select the channel to import model.



2. Model processing mode: it supports single model and multi-model processing.

Switch between the two processing modes by clicking Process or Fusion at the bottom of the menu bar:



3. Export formats: ply/obj/stl/zx3d

Please refer to the descriptions at the bottom of the operation page for specific instructions.

Appendix

FAQ

Q: Tip: “Calibration failure, please try it again”.

A:①Check whether the scanner and the turntable are placed correctly on the positioning pad;

②Ensure the calibration board is placed in the center of the turntable;

③ Confirm that the calibration board is completely displayed in the calibration box on the screen.

Please calibrate again after finishing the above steps.

Q: After tapping Scan, it displays “Unable to connect to the network, please Check the network connection! ”

A: Please check the WIFI connection.

Q: It displays “Please calibrate again and ensure that the calibration board faces to the scanner and the device is stable”.

A: When scanning, make sure that the desktop is not shaking and the device is not moved, and there is no complex light source around; please try again.

Q: It displays “Uploading timeout, please enter model list to upload”.

A: If uploading takes more than 3 mins, it’s recommended to check the network and enter the list to upload model.

Q: The turntable fails to rotate or it fails to enter the scanning page when scanning.

A: Please check whether the turntable is on, if it still doesn’t work, please restart the turntable and the software.

Q: Device overheat.

A: It is normal that the device will heat up after continuous scanning or video-playing for 1 to 2 hours. Please shut down the device for a 10-minute break.

Q: Fuzzy projection.

A: Wipe the front lens with the cleaning cloth.

Q: Noise can be seen in the scanned model.

A: When scanning, make sure the object to be scanned, the scanner and the turntable are not moved. No other objects should be placed within 300 mm around the turntable, and there should be no movable light source or reflective objects behind the turntable.

Note: If your problems are still not solved. Please tap: Help- > Fault Diagnosis. We will help you to analyze and fix the problems.

Precautions for Use

1. Please use the device indoor at the temperature of $-10^{\circ}\sim 35^{\circ}$. The scanning effect would be better under dark light.
2. Do not dismantle or modify the device.
3. Please do not use the device in where there is dust or cigarette smoke.
4. It is normal that the device automatically powers off due to overheat after continuous and long-time scanning or projection.
5. Do not wet it by exposure to liquid such as fresh water, sea water, milk, soda or soap water.
6. Do not use or store the device in extremely high temperature environment, such as putting it near fire or heater. Please don't use it in areas with poor ventilation, for example cover it in quilt/blanket.
7. Do not hit the device fiercely. Do not hammer it, pile up heavy objects on it, step on it or drop it down.
8. Do not touch or poke the connector.
9. We are exempt from liabilities for any damages or losses caused by this product or any claims for compensation proposed by a third party.
10. Please place the device on the tripod and use it on stable or flat surface.
11. We are not responsible or liable for any property or profit losses, and claims for compensation proposed by a third party arising from the usage of this product.
12. In case of any faults, please stop using the device and contact your local distributor or authorized maintenance agent.



Non-tropical Safety Warning Label

It means that the device with this label is designed and evaluated in non-tropical climate regions. Therefore, it can only be used in non-tropical climatic conditions. There may be potential safety hazards when used in tropical climatic conditions.

Warranty Card

Warranty Instructions

- Please keep the warranty card for future maintenance request.
- The warranty period is twelve months from the date of purchase.
- During the warranty period, if there are any defects or failure under the circumstances of normal and proper use and maintenance, free maintenance and replacement parts will be available if validated.
- The company reserves the right to amend and interpret all contents.

Exclusions from the Warranty Service

- The product is damaged due to incorrect installation or operation.
- Any parts of the product have been repaired, altered, refitted and replaced by third party technicians.
- The product number has been altered or it is inconsistent with that on the certificate.
- The product is damaged due to negligent use or infiltration of water or other substances.
- Any defects or damages caused by accidents/natural disasters.

Information

Thank you for purchasing our products. To provide you better services, please carefully read, fill out and keep this Warranty Card.

Name		Contact person	
Address		Phone	
Product		Product model	
Purchase date		Service number	
Maintenance record	Date	Failure causes and solutions	



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