![Innovate Systems logo]

COSA5.3 Cloud Client User Manual

Hako UTC V7

Hako UTC V8

CONTENTS

1 Introduction to Could Client

Running an embedded operating system, this multi-purpose cloud client supports Citrix ICA protocol, through which Citrix virtualized applications can be delivered. Moreover, it also supports RDP.

Main features:

1. Supporting ICA, RDP

2. Supporting Citrix virtualization platform;

3. Allowing centralized management, centralized maintenance and centralized monitoring;

4. Easy system upgrade and feature expansion;

5. Effective protection from data theft and virus intrusion;

6. Convenient switchover between Chinese and English operating environment to allow perfect internationalization;

7. Concise and human-oriented user interface to facilitate easy operations by non-professional users.

2 Startup Wizard

The first time you enter the system, there will be a startup wizard. By default, the first "Language & Keyboard" page will be displayed.
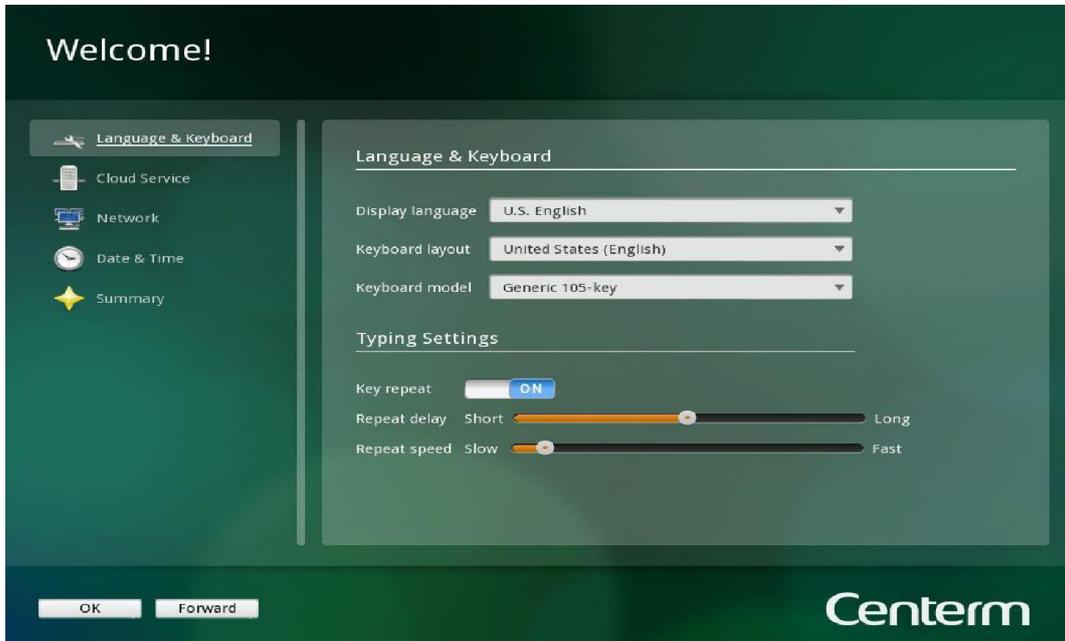
1. Click "Forward" button to proceed with subsequent configurations. After you have completed all configurations, click "OK" button to enter the main system interface.

2.1 Summary

"Summary" mainly shows the current system language and configurations of keyboard, network, and cloud service.

2.2 Language & Keyboard

It allows you to configure system language and keyboard settings. For details, please refer to "4.6 Language & Keyboard".

2.3 Date & Time

It allows you to configure system date & time. For details, please refer to "4.5 Date & Time".

2.4 Network

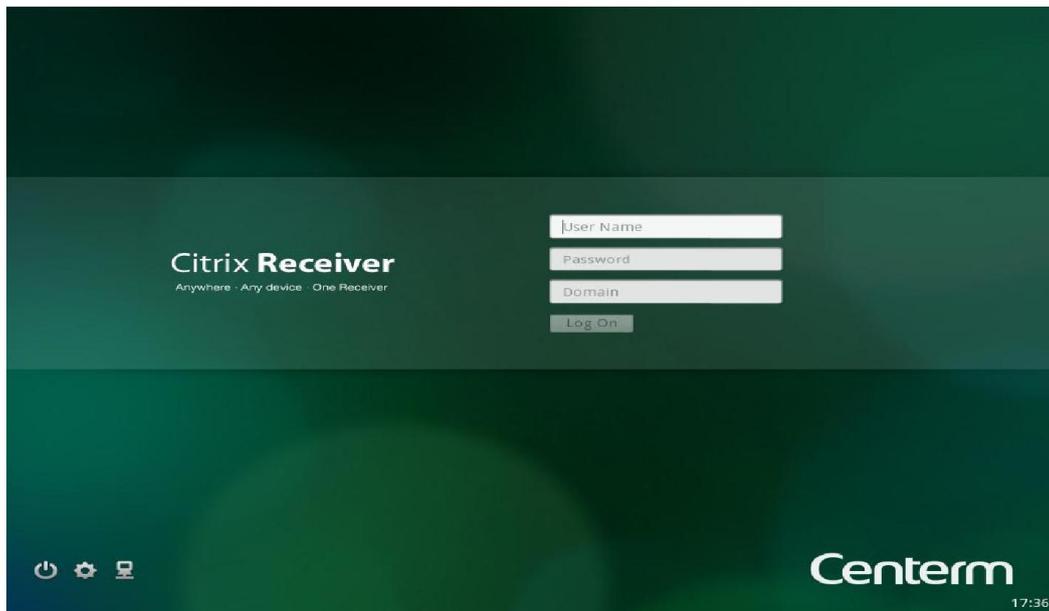It allows you to configure system network. For details, please refer to "4.3 Network".

2.5 Cloud Service

It allows you to configure Citrix Receiver. For details, please refer to "4.2 Cloud Service".

3 Connection & Use

3.1 Log On

After the client is turned on, it will by default enter the system homepage, as shown below:
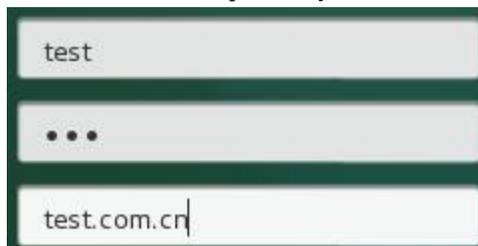

1. Function

    To log on cloud server.

2. Log on cloud server (the default connection type at system startup is Citrix Xen, with connection mode being PNAgent)
    A. Enter the corresponding user name, password and domain into the input boxes of "User Name", "Password" and "Domain" respectively.
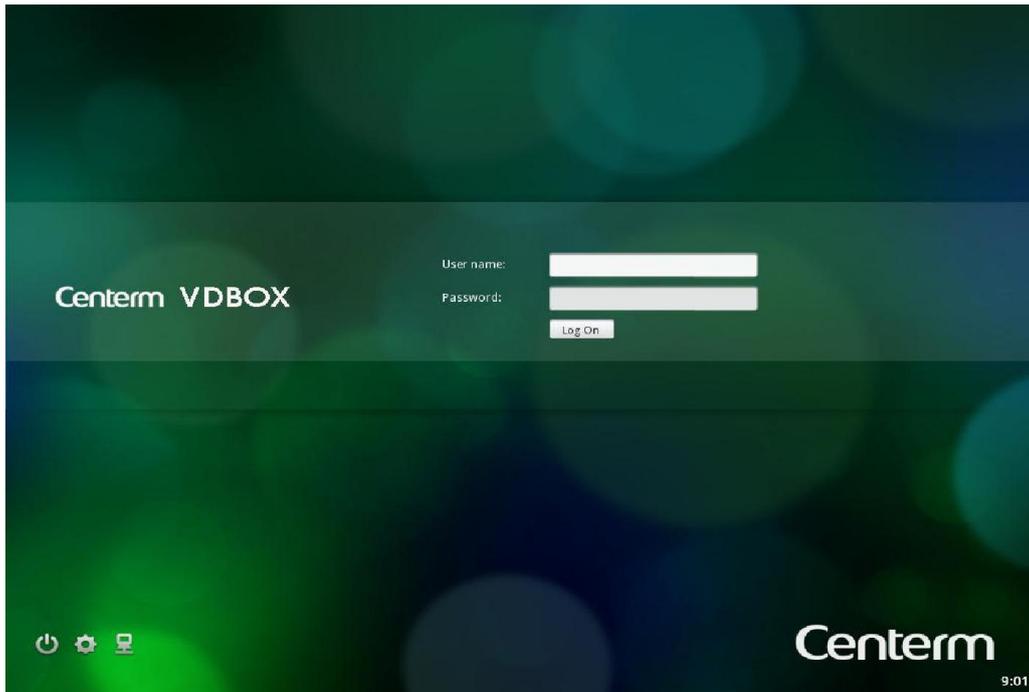

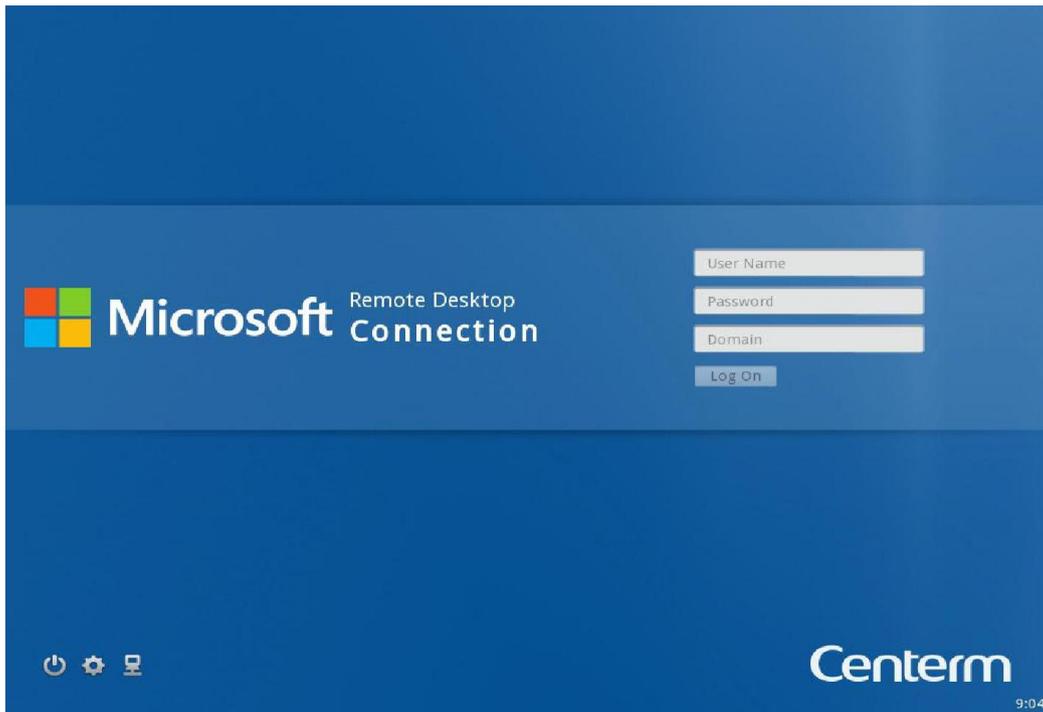
    B. Click "Log On" button.

3. Log on cloud server (connection type being Citrix Xen and connection mode being Web Interface)

    A. Configure the URL of cloud server and click "Save" button in the bottom-left corner of the screen.

    B. After exiting the control center, the system homepage will appear as below:

C. Enter the corresponding user name and password into the input boxes of "User Name" and "Password" respectively.

D. Click "Log On" button.

4. Log on cloud server (connecting type being RDP)

A. Configure the URL of cloud server and click "Save" button in the bottom-left corner of the screen.

B. After exiting the control center, the system homepage will appear as below:

    C. Enter the corresponding user name, password and domain into the input boxes of "User

       Name", "Password" and "Domain" respectively.
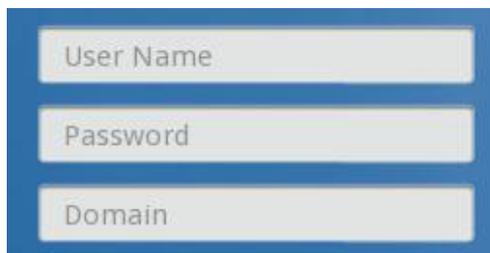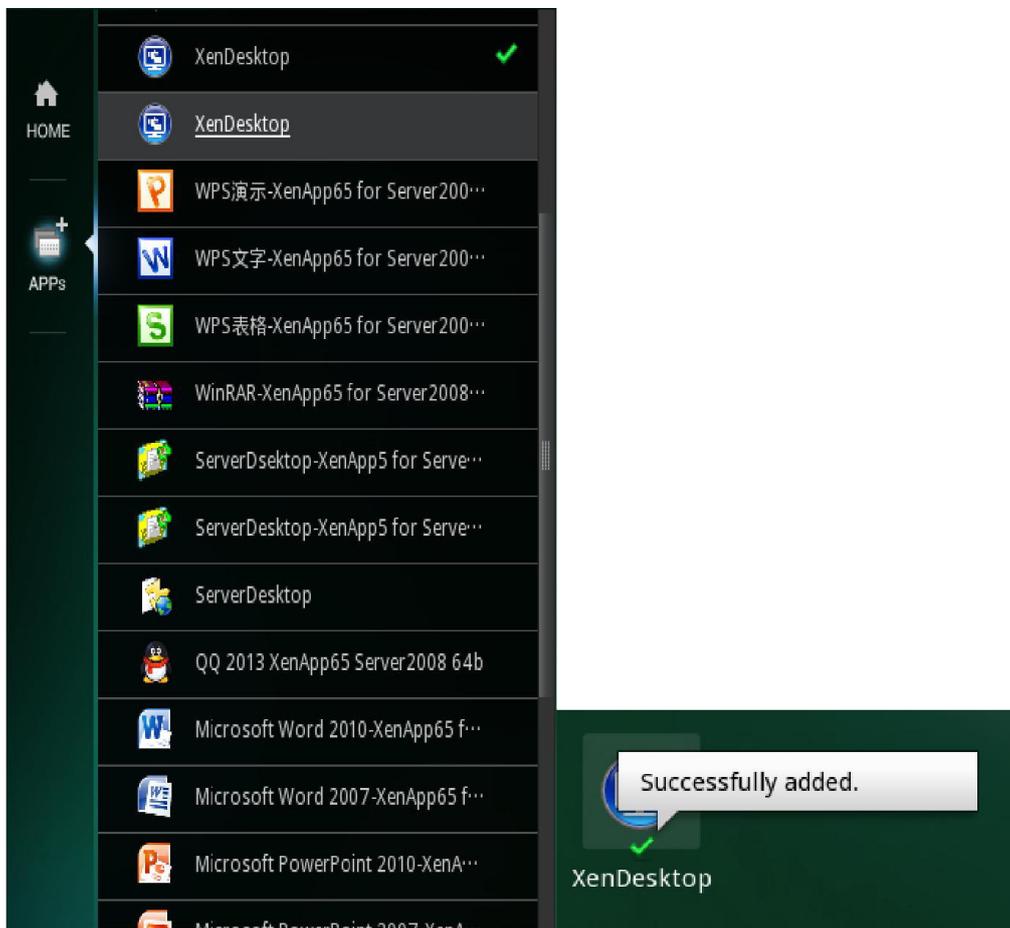

    D. Click "Log On" button.

3.2 Application Management

1. The appearance of "HOME" interface when connection type is set as "Citrix Xen" and connection mode is set as "PNAgent" for the cloud server:
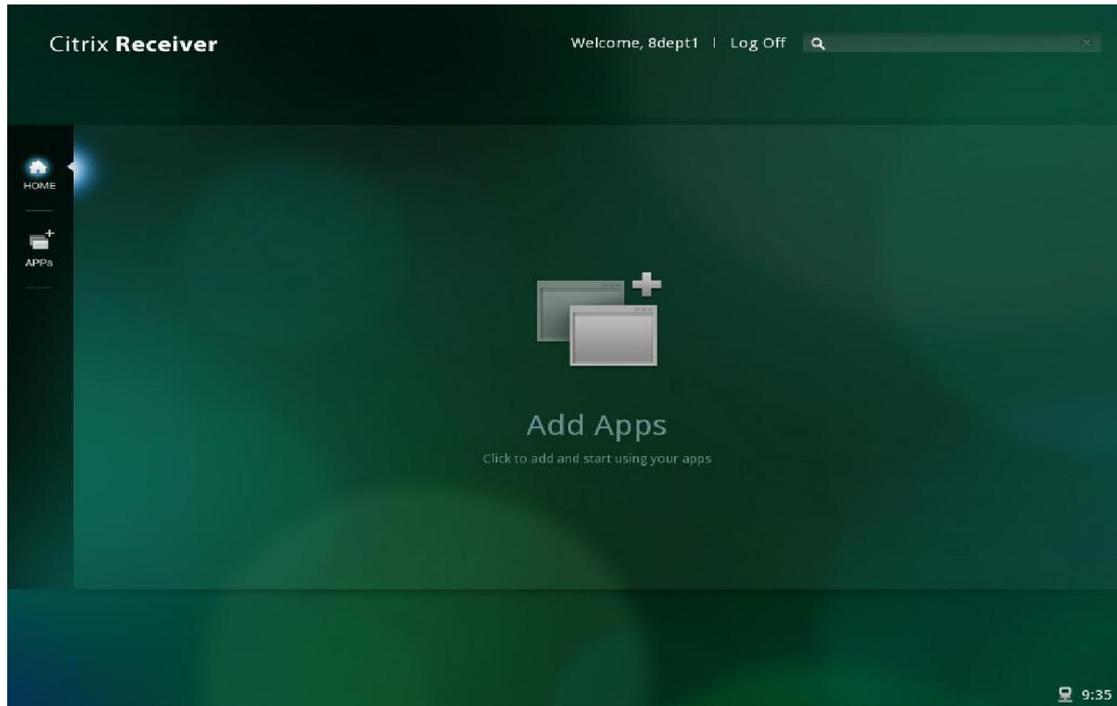
A. Add App

Click "Apps" to expand the Apps list. Select the app to be added from the list and click to add. For example, if you have selected "XenDesktop", you will have this app added to "HOME".

B. Delete App

Click "Apps" to expand the Apps list. Click the app which have been added to "HOME" to instantly delete this app from "HOME".

C. Open App

After adding app to "HOME", click the desired app to open this app. After openning this app, it will appear on the transparent taskbar at the bottom of the screen.

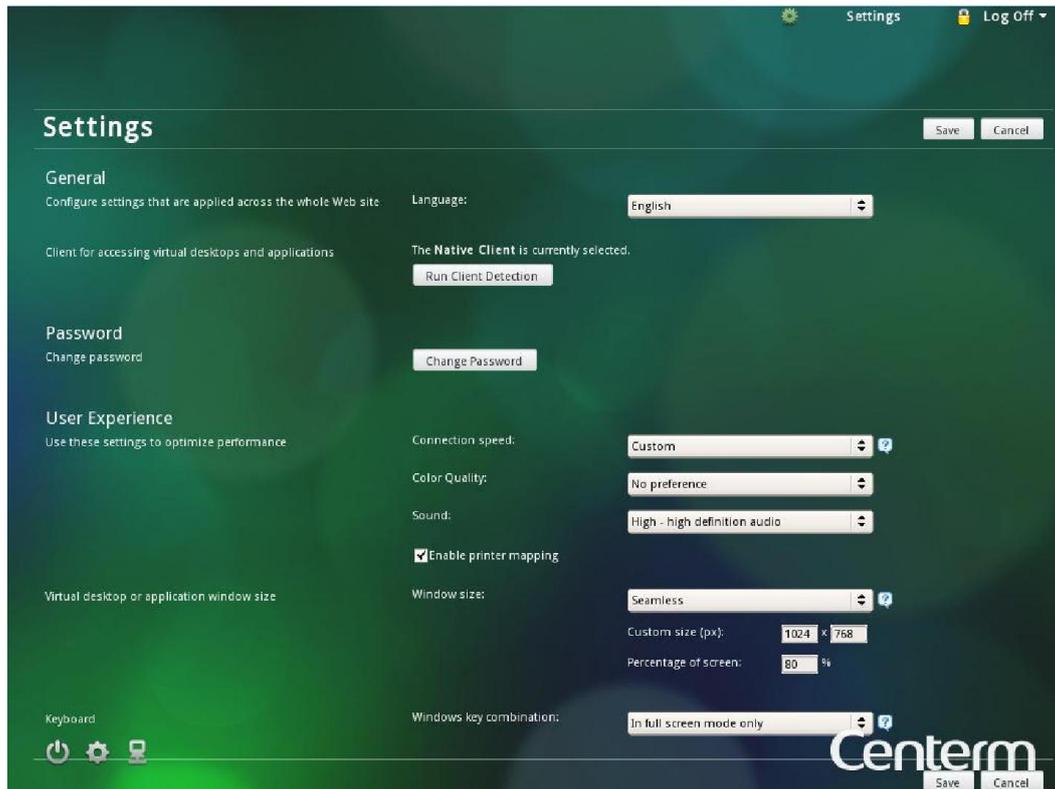D. Click "Log Off" in the top right corner of the screen to log off the current account.

2. The appearance of "HOME" interface when connection type is set as "Citrix Xen" and connection mode is set as "Web Interface" for the cloud server:

A. Click the cloud desktop on the log-on screen to log on the server.

B. Click "Settings" in the top left corner of the screen and configure respective settings in the pop-up "Settings" window.

  C. Click the drop-down button next to "Log Off" to disconnect or reconnect:

  D. Click the cloud desktop on the log-on screen to log on the server.

  E. Click "Log Off" in the top right corner of the screen to log off the current account.

  F. After you have connected to the server, the connected entry will appear on the transparent taskbar at the bottom of the screen.
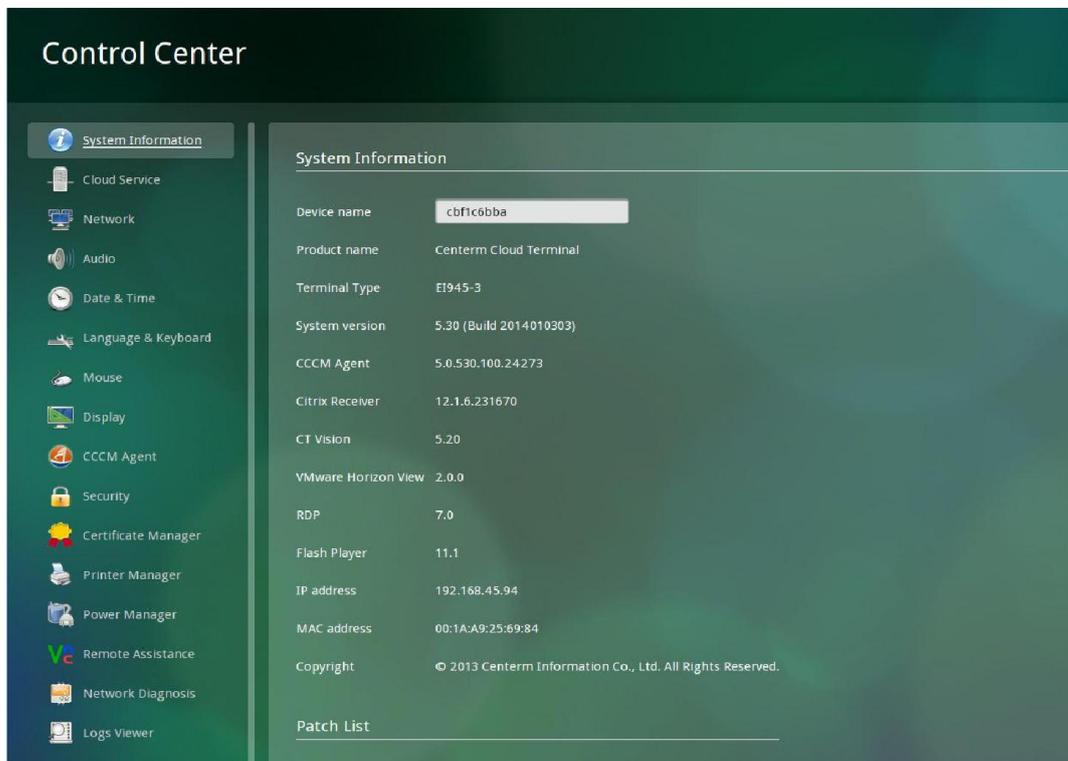
4 Control Center

1.   Function

The Control Center allows the user to access respective configuration programs of the system.

2.   How to use

Click the "Control Center" [icon] icon in the bottom left corner of system homepage.

The configuration interface is shown below:

3.   Run the programs in the Control Center

Select the desired program from the Control Center and click the icon.

4.1 System Information

1.   Function

To edit device name and view system information.

2. How to use

    After entering the Control Center, click the "System Information" icon:

3. Edit device name

    (1) Click the text box next to "Device name" and change the name in the text box into a new

    device name.

    (2) Click "Save" button in the bottom left corner of the screen.

4.2 Cloud Service

1. Function

    To configure cloud server connection type and relevant setting.

2. How to use

    After entering the Control Center, click the "Cloud Service" icon:

    The configuration interface is shown below:
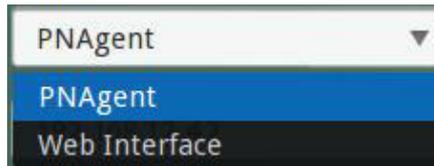
3. Modify settings

(1) Citrix Xen

    A. Click the drop-down list next to "Connection type" and select "Citrix Xen", as shown below:
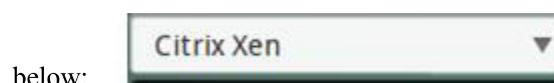
    B. Modify the settings of "Citrix Receiver". Click the drop-down list next to "Connection mode" and select "PNAgent" or "Web Interface", as shown below:

C. Enter the IP address of server:

D. Modify the settings of "Device Mapping". You can click the toggle buttons to enable or disable the devices to be mapped, as shown below:

E. Modify the settings of "Options". You can click the toggle buttons to enable or disable relevant features, as shown below:

F. When the connection type is set as "PNAgent", you can determine to enable or disable automatic login. Click the toggle button of "Automatic Login" to enable or disable this feature. In the meantime, you will need to enter the user name, password and domain, as shown below:
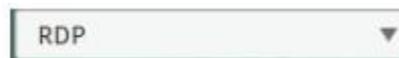
G.   Click "Save" button in the bottom left corner of the screen.

(2)   RDP
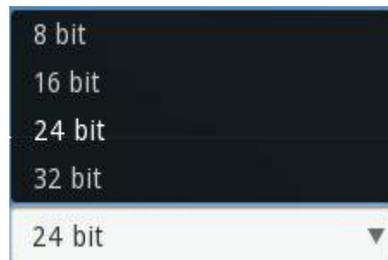
A.   Click the drop-down list next to "Connection mode" and select "RDP", as shown below:

B.   Configure the IP address of server.

C.   Modify the settings of "Display". You can set color depth as shown below:

Click the toggle button of "Display the connection bar" to enable or disable displaying the connection bar.

D.   Modify the settings of "Device Mapping". Click the drop-down list next to "Audio" and select the audio playback mode; click the toggle buttons to select devices to be redirected, as shown below:
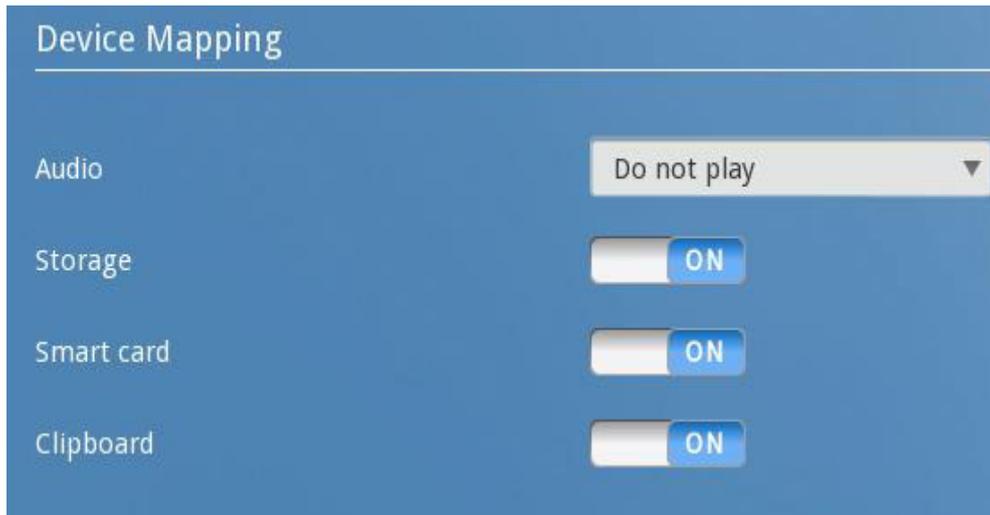
E. Modify the settings of "Programs". Click the toggle button of "Start the following program on connection" to enable this feature, and then enter the path, filename and folder of the program to be started.

F. Modify the settings of "Experience". Click the toggle buttons to select the different experiences to be applied during RDP connection:
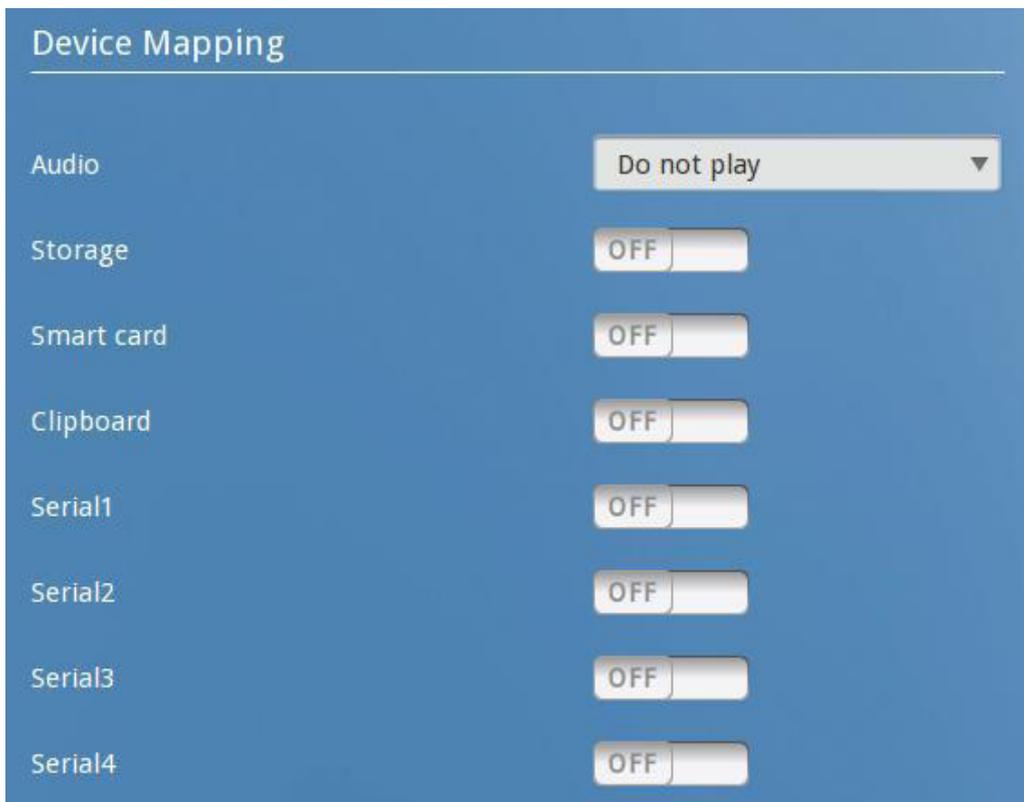
G. Modify the settings of "Advanced". Click the drop-down list of "Keyboard layout" to select from different keyboard layouts. Click the toggle buttons to enable or disable console mode and compression, as shown below:
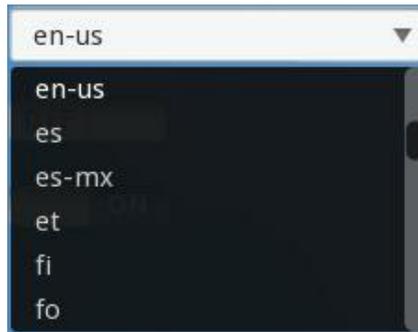
H. Modify the settings of "Login Scripts". Click the toggle button of "Automatic Login" to enable automatic login.

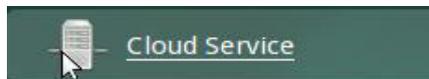I. Click "Save" button in the bottom left corner of the screen.

4.3 Network

1. Function

To configure IP address and DNS.

2. How to use

After entering the Control Center, click the "Network" icon:

The configuration interface is shown below:

3. Configure network settings

    (1) Obtain the IP address automatically

        Click the toggle button of "Obtain the IP address automatically" to enable this feature.

    (2) Obtain the DNS servers automatically

        Click the toggle button of "Obtain the DNS servers automatically" to enable this feature.

    (3) Configure IP address manually

    A、 Click the toggle button of "Obtain the IP address automatically" to disable this feature.

    B、 Enter the corresponding values into the input boxes of "IP address", "Subnet mask" and "Default gateway" respectively.
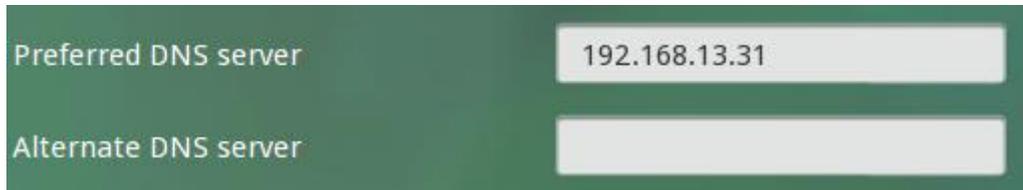

    C、 Click "Save" button in the bottom left corner of the screen.

    (4) Configure DNS server manually

    A. Click the toggle button of "Obtain the DNS servers automatically" to disable this

feature.

B.   Enter the corresponding values into the input boxes of "Preferred DNS server" and "Alternate DNS server" respectively.

C.   Click "Save" button in the bottom left corner of the screen.
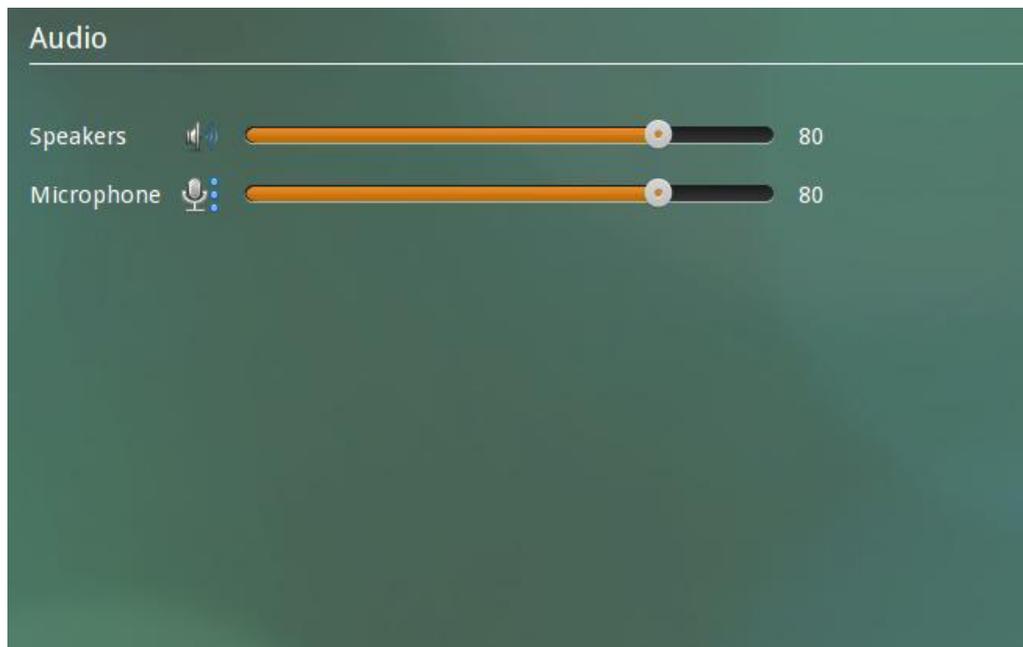
4.4 Audio

1.   Function

To configure the volume for speakers and microphone.

2.   How to use

After entering the Control Center, click the "Audio" icon:

The configuration interface is shown below:

3.   Modify settings

(1)   Adjust the volume for speakers

A. To mute the speakers, click the [icon] icon next to "Speakers".

B. After muting the speakers, to restore the sound, click the [icon] icon next to "Speakers" to restore to the formerly set volume.

C. To adjust volume: click somewhere on the volume bar on the right side of "Speakers":

Or drag the volume slider to the left/right.

D. Click "Save" button in the bottom left corner of the screen.

(2) Adjust the volume for microphone

A. To mute the microphone, click the [icon] icon next to "Microphone".

B. After muting the microphone, to restore the sound, click the [icon] icon next to "Microphone" to restore to the formerly set volume.

C. To adjust volume: click somewhere on the volume bar on the right side of "Microphone", or drag the volume slider to the left/right.

D. Click "Save" button in the bottom left corner of the screen.

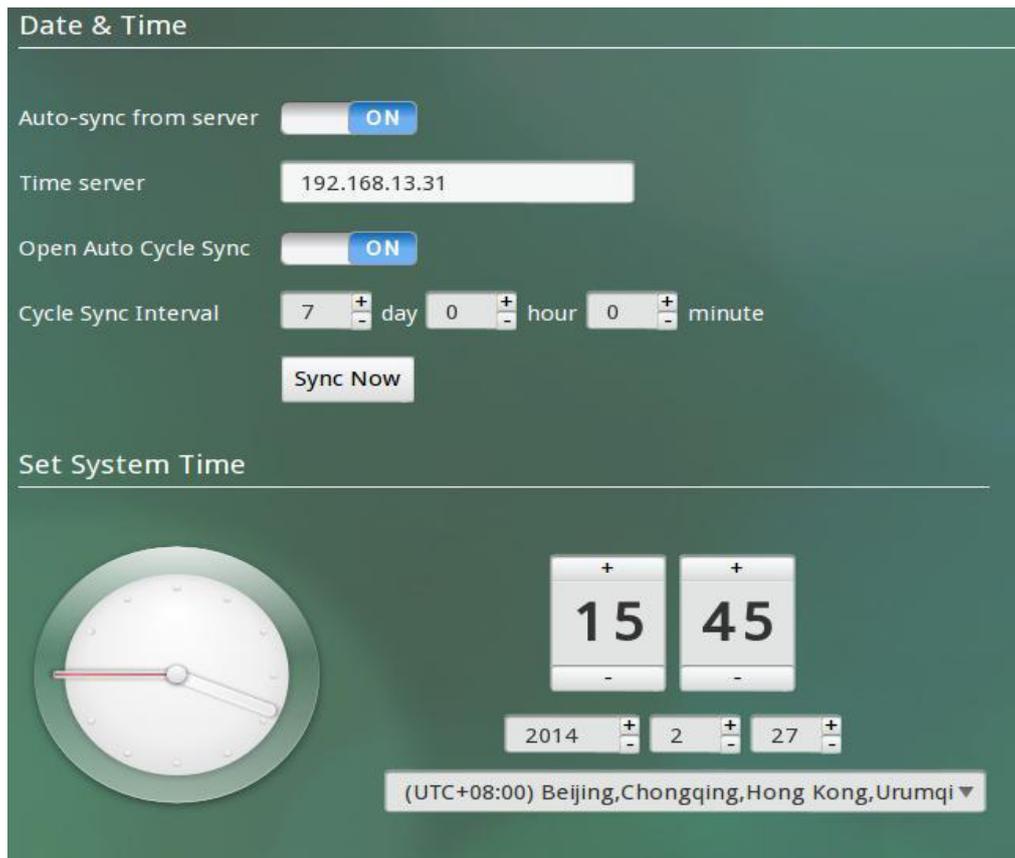# 4.5 Date & Time

1. Function

    To configure system data and time.

2. How to use

    After entering the Control Center, click the "Date & Time" icon:

The configuration interface is shown below:

3. Configure date and time

    (1) Automatic synchronization

    A. Click the toggle button of "Auto-sync from server" to enable this feature.

    B. Enter the correct IP address of time server into the input box next to "Time server".

    C. Click the "Sync Now" button.

    (2) Periodic synchronization

    A. After completing A and B in the first step, do not click "Sync Now" button.

    B. Click the toggle button of "Open Auto Cycle Sync" to enable this feature.

    C. Enter the interval to be set in the input boxes on the right side of "Cycle Sync Interval".

    D. Click "Save" button in the bottom left corner of the screen.

    (3) Manual configuration

    A. Click the toggle button of "Auto-sync from server" to disable this feature.

    B. Click "+" or "-" buttons for date and time to set the system date and time:

  C. You can also click the edit box of date or time to manually enter the numerical values:

  D. Click the drop-up list as shown below to select the desired time zone:

  E. Click "Save" button in the bottom left corner of the screen.

4.6 Language & Keyboard

1. Function

  To configure language and keyboard.

2. How to use

  After entering the Control Center, click the "Language & Keyboard" icon:
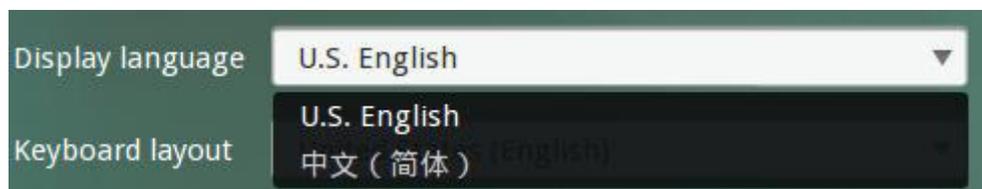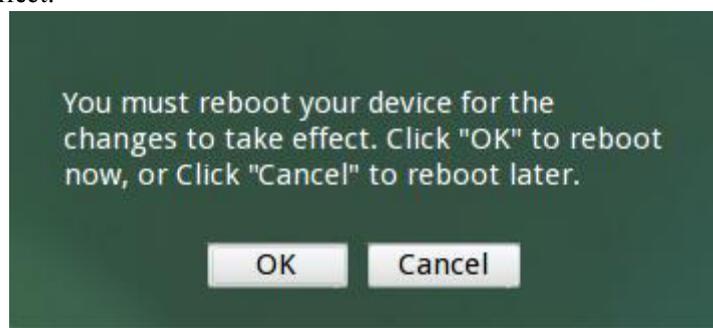

  The configuration interface is shown below:

3. Configure language & keyboard

    (1) Display language

    A. Click the drop-down menu next to "Display language" and select the desired language:

    B. Click "Save" button in the bottom left corner of the screen.

    C. After configuring the "Display language", you must reboot the device for the changes to take effect:
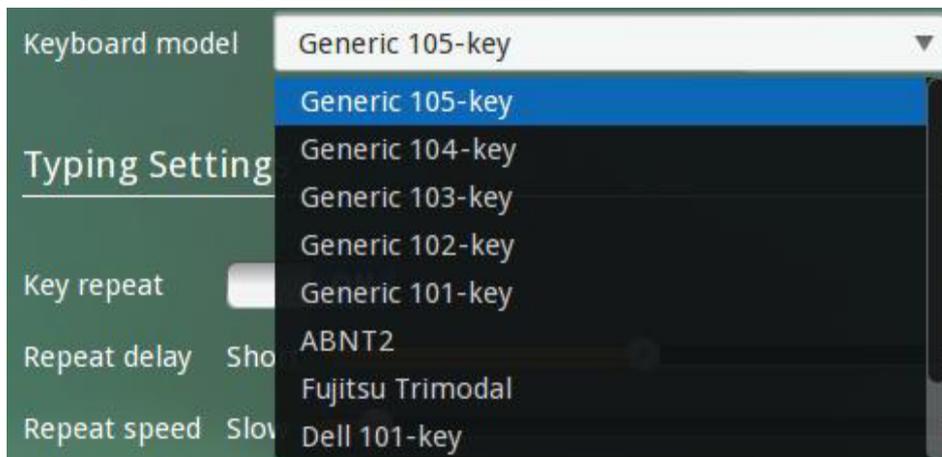

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    (2) Keyboard layout

    A. Click the drop-down menu next to "Keyboard layout" and select the desired keyboard layout:

B.   Click "Save" button in the bottom left corner of the screen.

(3) Keyboard model

A.   Click the drop-down menu next to "Keyboard model" and select the desired keyboard model:

B.   Click "Save" button in the bottom left corner of the screen.

(4) Key repeat

A.   After enabling "Key repeat", you will need to adjust repeat delay and repeat speed. Click somewhere on the scroll bar to complete the configuration, or drag the scroll bar slider to the left/right.

B.   Click "Save" button in the bottom left corner of the screen.

4.7 Mouse

1.   Function

To configure mouse settings.

2.   How to use

After entering the Control Center, click the "Mouse" icon:

The configuration interface is shown below:
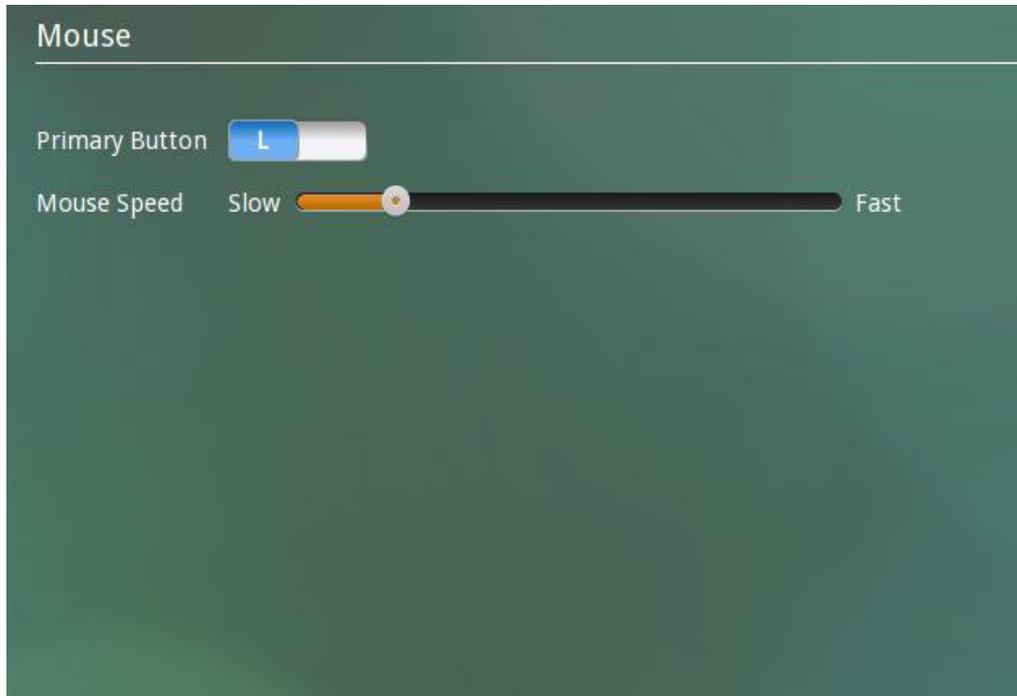
3. Configure mouse

    (1) Primary button

    A. Click the toggle button of "Primary Button" to make the right-button as the primary button. In such a case, click with the left mouse button will receive no response, and you will need to click with the right mouse button to proceed with normal operations.

    B. Right-click "Save" button in the bottom left corner of the screen.

    (2) Mouse speed

    A. To adjust the mouse speed: click somewhere on the speed bar, or drag the speed bar slider to the left/right.

    B. Click "Save" button in the bottom left corner of the screen.

4.8 Display

1. Function

    To configure screen resolution.

2. How to use

   After entering the Control Center, click the "Display" icon:

   The configuration interface is shown below:
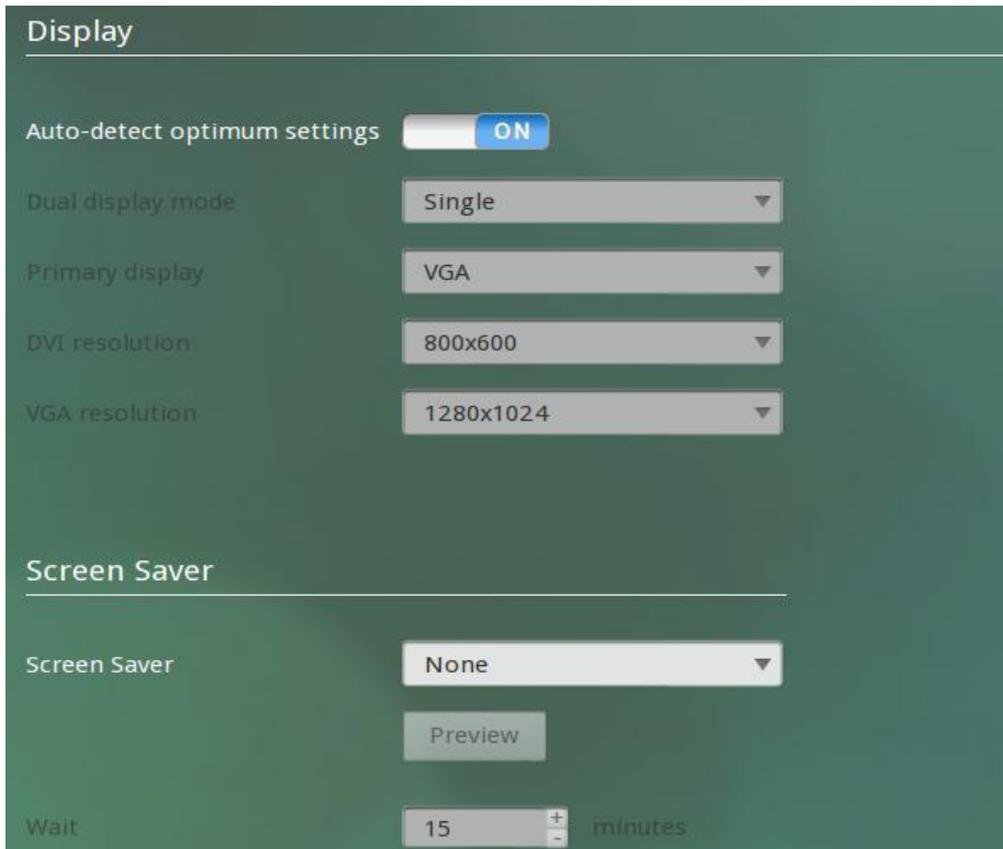
3. Modify resolution

   (1) Automatic detection of optimum settings

   Click the toggle button of "Auto-detect optimum settings" to enable this feature.

   (2) Configure resolution manually

   A. Click the toggle button of "Auto-detect optimum settings" to disable this feature.

   B. Click the drop-down menu next to "VGA resolution" and select the desired resolution:
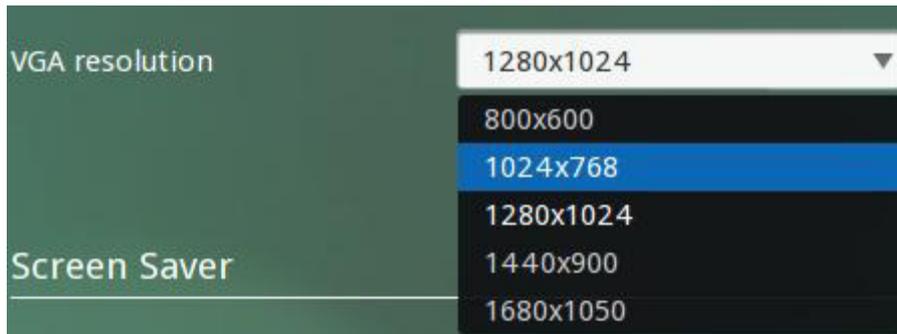
C. Click "Save" button in the bottom left corner of the screen and the following prompt message will pop up:
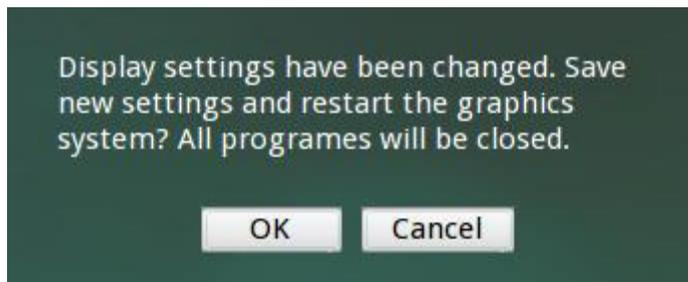
(3) Configure screen saver

A. Click the drop-down menu next to "Screen Saver" and select the desired screen saver:
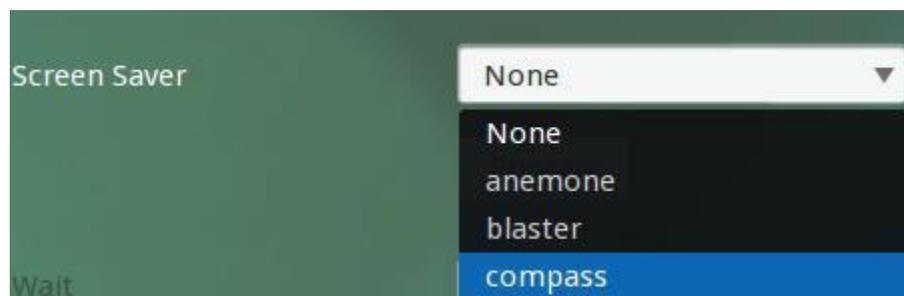
B. Click "Preview" button to see how the screen saver will appear on your screen.

C. In the input box next to "Wait", enter the desired waiting time.

D. Click "Save" button in the bottom left corner of the screen.

4.9 CCCM Agent

1. Function

   To configure CCCM Agent.

2. How to use

   After entering the Control Center, click the "CCCM Agent" icon:

The configuration interface is shown below:

3.   Configure CCCM Agent

(1)   Automatic management by server

A.   Click the toggle button of "Automatically managed by a server" to enable this feature.

B.   Click "Save" button in the bottom left corner of the screen.

(2)   Configure server manually

A.   Click the toggle button of "Automatically managed by a server" to disable this feature.

B.   Enter the corresponding values into the input boxes of "Server" and "Port" respectively:

C.   Click "Save" button in the bottom left corner of the screen.

D.   By this time, the dialog box for entering CCCM password will pop up. Enter the correct password and click "OK" to save the changes.

4.10 Security

1. Function

    To configure security settings.

2. How to use

    After entering the Control Center, click the "Security" icon:

    The configuration interface is shown below:

3. Modify settings

    (1) Configure system access security

    A. Click the toggle button of "Use Password" to enable this feature.
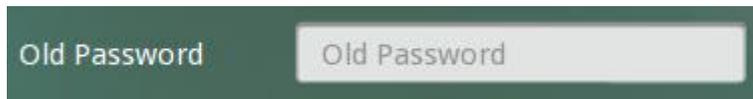
    B. Configure new password:

    C. Click "Save" button in the bottom left corner of the screen.

    D. When you click the "Control Center" icon to enter the Control Center again, you will be

    prompted to enter the security password:
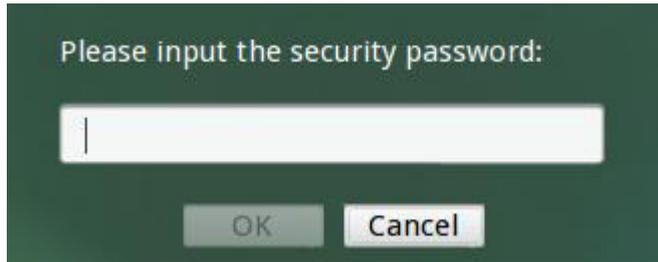
(2) Disable system access security setting

A. Click the toggle button of "Use Password" to disable this feature.

B. Enter the password configured previously:

C. Click "Save" button in the bottom left corner of the screen.

D. When you enter the Control Center again, you won't need to enter the password.

4.11 Certificate Manager

1. Function

To configure Certificate Manager.

2. How to use

After entering the Control Center, click the "Certificate Manager" icon:
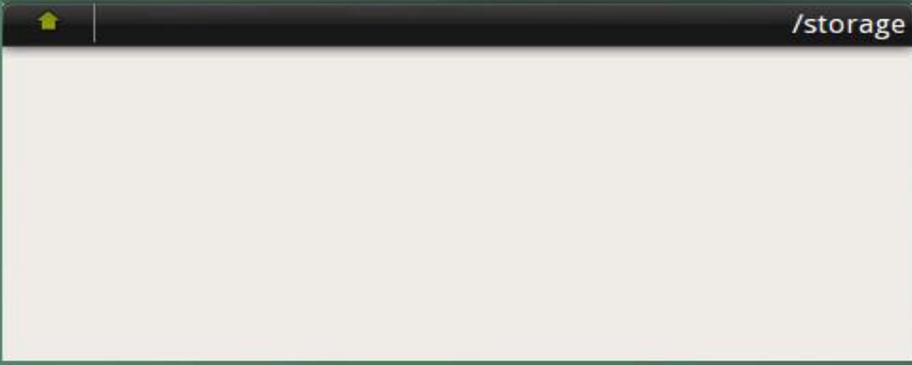

The configuration interface is shown below:
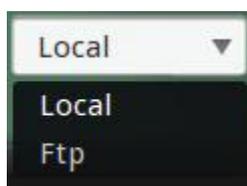
3. Modify settings

   (1) Delete certificate

   A. Click the Delete icon on the right side of certificate list to delete the corresponding certificate.

   (2) Import local certificate

   A. Click the drop-down list next to "Certificate Location" and select "Local", as shown below:

B.   Insert the flash drive which carries the certificate and select the certificate to be imported from the list box at the bottom of the Certificate Manager interface.
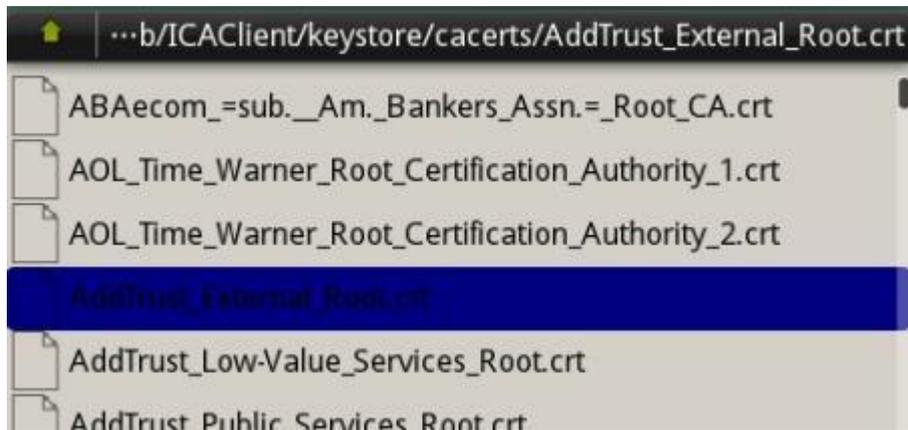
Click "Import" button.

C.   Click "Save" button in the bottom left corner of the screen.

(3)   Import certificate from FTP server

A.   Click the drop-down list next to "Certificate Location" and select "FTP".

B.   Enter the IP address of FTP server, port number, user name, password and the absolute path to the certificate:

Click "Import" button.

C.   Click "Save" button in the bottom left corner of the screen.

The configuration interface is shown below:

4.12 Power Manager

1. Function

   To configure Power Manager.

2. How to use

   After entering the Control Center, click the "Power Manager" icon:

   The configuration interface is shown below:

3. Configure Power Manager
   (1) Enable Power Manager
   A. Click the toggle button of "Enable Power Manager" to enable this feature.
   B. After enabling Power Manager, you can then configure respective settings.
   (2) Configure idle policy
   A. Click the toggle button of "Enable Idle Policy" to enable this feature.
   B. Configure the action to be taken by the system when it's idle. In the input box next to

"When System Idle, Wait", manually enter the time or click "+" or "-" button to adjust the time.
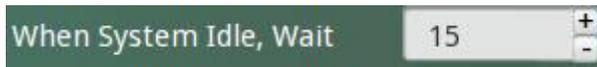
Click the drop-down list on the right side of the idle time to specify the system action when the idle time runs out:
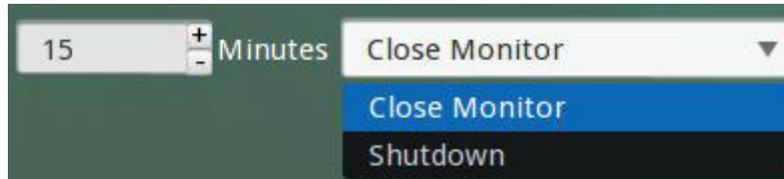
C. Click "Save" button in the bottom left corner of the screen.

(3) Scheduled shutdown

A. Click the toggle button of "Enable Schedule Shutdown" to enable this feature.

B. Set the scheduled time to shut down the system:

Click the toggle button of "Perform Daily" to specify whether or not to perform scheduled shutdown every day.

C. Click "Save" button in the bottom left corner of the screen.

(4) Message

A. Click the toggle button of "Enable Message" to enable this feature.

B. Set the time allowed to cancel shutdown:

C. Click "Save" button in the bottom left corner of the screen.
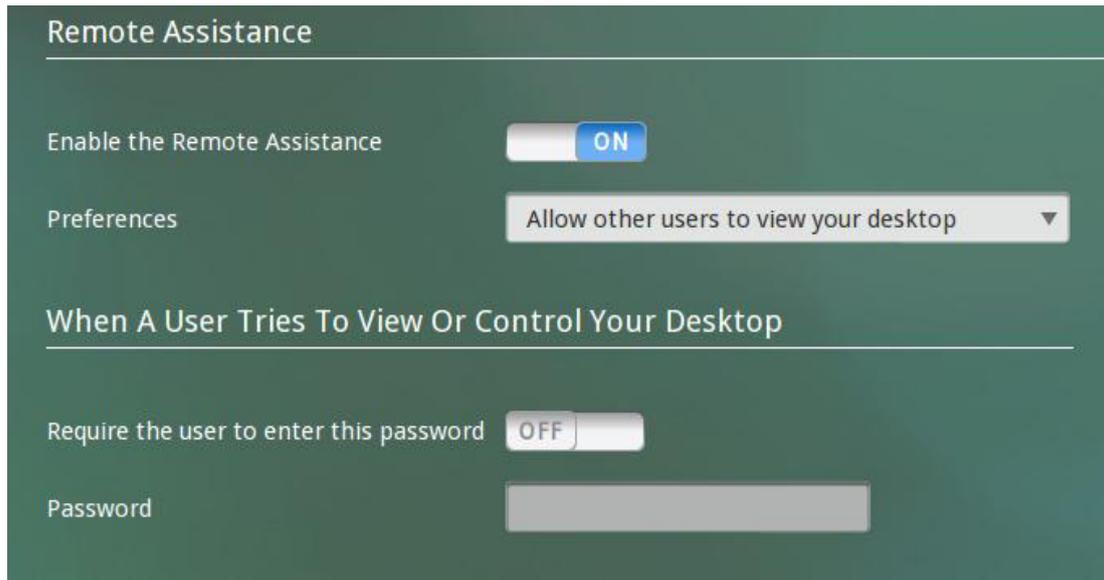

4.13 Remote Assistance

1. Function

To configure remote assistance.

2. How to use

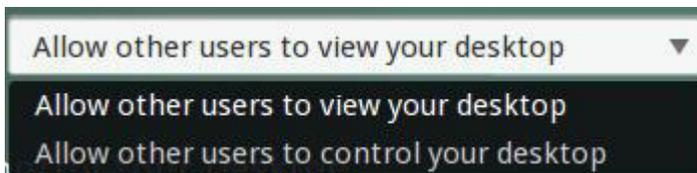After entering the Control Center, click the "Remote Assistance" icon:

The configuration interface is shown below:

3.   Modify settings

   (1) Remote Assistance

   A.   Click the toggle button of "Enable the Remote Assistance" to enable this feature.

   B.   Click the drop-down list on the right side of "Perferences" and select the operation you

        allow other users to carry out:

   C.   Click "Save" button in the bottom left corner of the screen.

   (2) Configure access password

   A.   Click the toggle button of "Require the user to enter this password" to enable this

        feature.

   B.   Enter the password to be set:

   C.   Click "Save" button in the bottom left corner of the screen.

   D.   In such a case, other users need to enter the preset password in order to access the local

        computer.

4.14 Network Diagnosis

1. Function

   （1）Use "Ping" feature to test network connection;

   （2）Use "Traceroute" to show the route your traffic takes from the local computer to the

     target server.

2. How to use

   After entering the Control Center, click the "Network Diagnosis" icon:

   The configuration interface is shown below:

3. Diagnosis configuration

   (1) Ping

   A. Click the drop-down list next to "Diagnostic Tools" and select "Ping", as shown below:
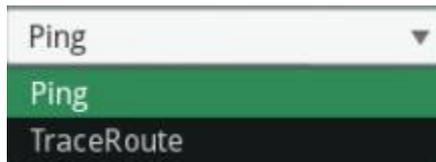
B. Enter the IP address and the number of requests to be sent, and then click "Ping" button to run diagnosis, as shown below:
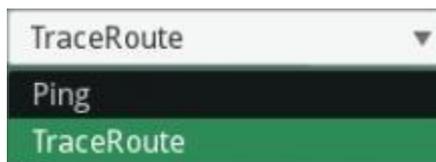

C. The diagnostic information will be printed in the following list:

Round Trip Time Statistics		Transmission Statistics	
Minimum:	0.36ms	Packets transmitted:	5
Average:	0.38ms	Packets received:	5
Maximum:	0.42ms	Successful packets:	100%

Bytes	Network address	Seq	Time	Units
64	192.168.9.111	1	0.416	ms
64	192.168.9.111	2	0.364	ms
64	192.168.9.111	3	0.369	ms
64	192.168.9.111	4	0.368	ms
64	192.168.9.111	5	0.367	ms

(2) TraceRoute

A. Click the drop-down list next to "Diagnostic Tools" and select "TraceRoute", as shown below:

B. Enter the IP address and then click "Trace" button to run diagnosis:

C. The diagnostic information will be printed in the following list:

Hop	Hostname	Network address	Time
1	nettec.star-net.cn	192.168.9.111	0.138ms
1	192.168.45.1	192.168.45.1	1.140ms
1	192.168.45.1	192.168.45.1	1.517ms
2	10.10.120.1	10.10.120.1	1.540ms
3	10.10.40.2	10.10.40.2	1.387ms
4	10.10.27.1	10.10.27.1	2.129ms
5	10.10.15.1	10.10.15.1	2.200ms
5	10.10.15.1	10.10.15.1	103.644ms

4.15 Logs Viewer
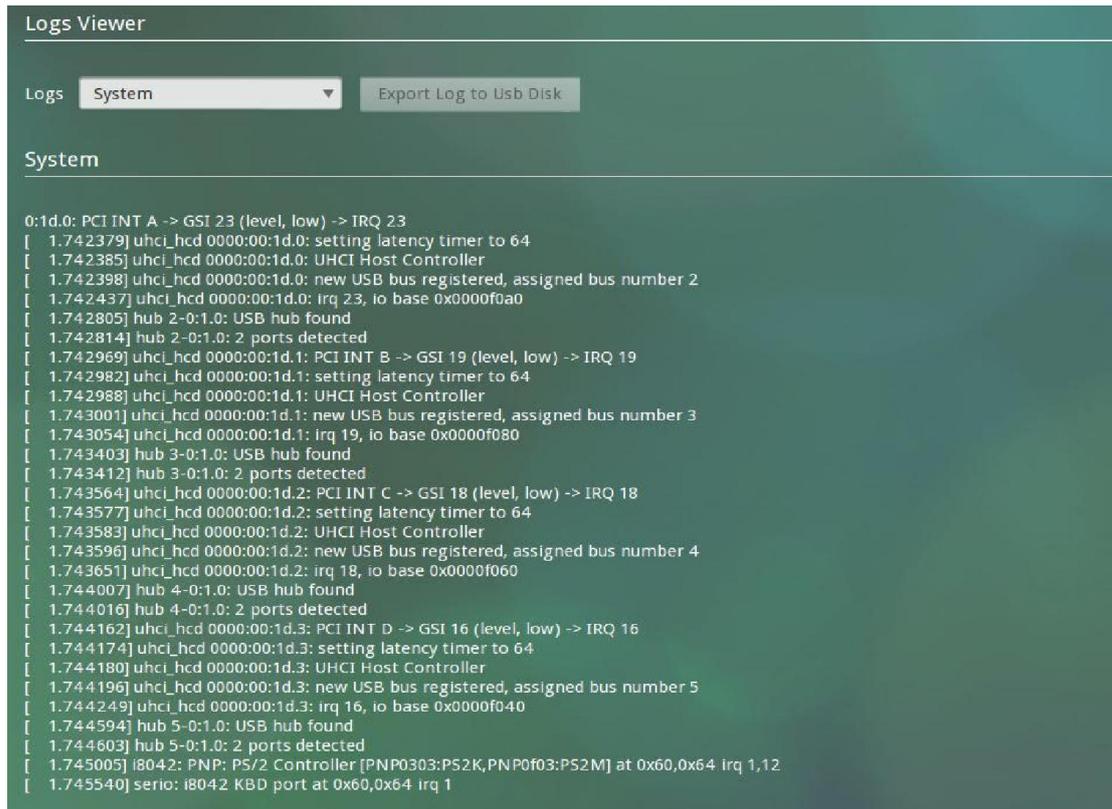
1.   Function

     To view system logs.

2.   How to use

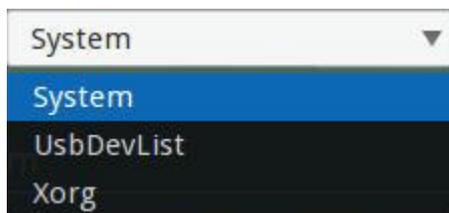   After entering the Control Center, click the "Logs Viewer" icon:

     The configuration interface is shown below:

3. Modify settings

    (1) View system logs

    A. Click the drop-down list next to Logs" and select "System", as shown below:

    (2) View Xorg logs

    A. Click the drop-down list next to "Logs" and select "Xorg".

    (3) View USB device list

    A. Click the drop-down list next to "Logs" and select "UsbDevList".

4. Export logs

    Insert the USB flash drive and select the type of logs to be exported, and then click "Export Log to Usb Disk" button.