Honeywell

X-618 Public Address System

Operation Manual

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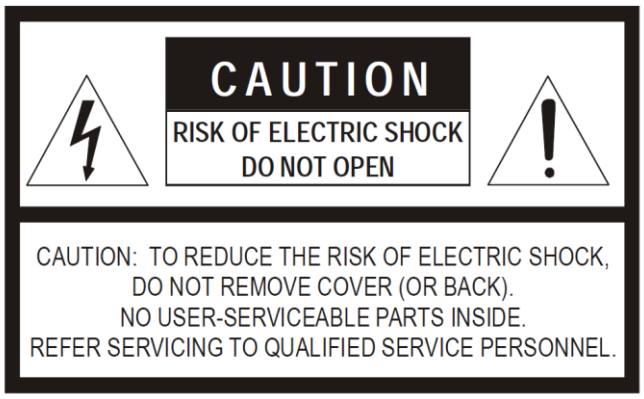
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Safety Guidelines





Danger

This sign indicates users of “dangerous voltage” on the product.



Caution

This sign indicates users of important instructions attached to the product.

Safety guideline	In order to prevent electric shock, this equipment plug shall not be used as a conductor to extend the power supply line. Do not block the equipment’s ventilation opening or put other equipment on it.
Safety guideline	Protect this equipment against rainwater or moisture so as to avoid fire or electric shock.

Safety Precautions

For the installation, operation, and use of this product, please carefully read the following precautions.

Electrical Safety

- The product installation and use must comply with local electrical safety regulations.
- Honeywell assumes no liability for user errors or misuse that result in a fire or an electrical shock.

Transportation Safety

During transportation, do not violently shake the appliance or expose it to corrosive liquids.

Safety & Regulatory Approvals

- 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.
- Electrical Safety Listing: UL 60065

Environmental Requirements

- Do not install the appliance in an environment with extreme temperatures or excessive amounts of dust.

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- The appliance should be placed away from direct sunlight in a well-ventilated, clean, and stable environment without vibrations or shocks. The optimum working environment temperature is 5 - 28 ºC/ 41- 82.4 ºF with a relative humidity < 95%. If the equipment is in operation for a long time and the ambient temperature is too high, it is recommended that effective measures be taken to reduce the temperature.
- The required appliance power supply voltage is AC 100V~ 220V (-15% ~ +10%) 50 ~ 60 Hz or DC 12V/24V. If the voltage is too high, too low, or fluctuates too drastically, it is recommended to install a stable AC power source.
- The appliance is not waterproof. Do not expose the appliance to rain or moisture to avoid damage.
- Place the appliance on a level, stabilized surface or rack.
- Do not place other items on top of the appliance.

Safe Use Precautions

- Install the equipment under the guidance of qualified technicians.
- Before using the appliance, make sure that the power cables are not damaged. The power cables must clearly show quality and safety inspection labels.
- The power plug and outlet prong configuration must match. If the plug outlet does not match the prong configuration of the plug, the outlet must be replaced with one that matches the plug.
- The appliance must have a sufficient power source and an independent grounding wire.
- Note that the equipment must be properly grounded. Otherwise, the equipment could fail to work properly or be damaged.
- When the power is turned on, high voltage runs through the power lines and the appliance. Do not open the appliance to prevent an electric shock.
- When installing the appliance, make sure the wires and cables are configured correctly to avoid damage to the equipment.
- To prevent an electric shock when the power is turned on, do not touch the power terminal that are marked with lightning safety logos.
- To avoid damaging the equipment when the power is turned on, do not physically alter the appliance to avoid damaging the equipment.
- Honeywell assumes no liability for appliance malfunctions. Please consult qualified technicians for repairs.

Manual Labels and Information

- Please note the product labels, product categories, power requirements, and other information.
- Read this manual thoroughly and use the equipment in accordance with the provided instructions. This manual can be used as a reference for other components related to this product. For more specific information, contact Honeywell.
- Keep this manual for future reference.

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Preface

Thank you for buying the X-618 Public Address System. In the following sections the X-618 Public Address System is referred to as the “X-618 system”. Please carefully read this manual prior to product use to ensure correct use of the system.

Brief Introduction

This manual describes the main hardware products of the X-618 system. The following chapters are included:

Chapter 1: X-DCS3000 Operations Guide

This chapter describes the basic operations and relevant precautions of the X-DCS3000.

Chapter 2: X-DA1500/DA2250/DA4125 Operations Guide

This chapter describes the basic operations and relevant precautions of the X-DA1500/DA2250/DA4125.

Chapter 3：X-NPMS Operations Guide

This chapter describes the basic operations and troubleshooting of the X-NPMS.

Chapter 4：X-NRI Operations Guide

This chapter describes the basic operations and relevant precautions of the Network Resource Interface X-NRI.

Intended Reader

This manual is for personnel who are to use, operate, and maintain the X-618 system.

Relevant Documents

The following documents can be used as a reference when reading this manual:

- X-618 Public Address System Product Description
- X-618 Public Address System Installation Manual
- X-618 Public Address System Configuration Manual

Use Instructions

- All content in this manual, including figures, are to be used only for reference.
- The product may be subject to change without notice.
- It is strongly recommended that users read all warnings and precautions in this manual carefully.
- This manual has been reviewed for accuracy. In case of any doubt or dispute of the product description, the final interpretation given by the Life Safety A/V (Guangzhou) Co., Ltd. shall prevail.
- The Life Safety A/V (Guangzhou) Co., Ltd is not liable for any consequences caused by user mistakes when using the product or user misunderstandings of the manual content.

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1 X-DCS3000 Operations Guide

The X-DCS3000 Digital Integrated System Manager is hereinafter referred to as the “DCS”.

The X-DCS3000 is a broadcasting control device that expands broadcasting zones and supports multiple sound sources. The X-DCS3000 integrates with functions such as the sound source file storage system, network audio broadcasting system, the loudspeaker zone control system, and the system for monitoring and diagnosing faults. The DCS integrates well and is easily configured.

This section describes the basic operations and precautions of the DCS system.

Powering the DCS On/Off

The system powers on when the power switch is in the “I” position, and powers off when the switch is in the “O” position.

When the indicator light for the main or standby power supply on the front panel of the DCS turns green, the respective power supply is working normally.

When the power supply indicator light turns orange, the respective power supply has experienced a fault. Check whether the power supply is connected correctly and that the DCS power switch is turned on.

Fault Confirmation

When the system detects a fault, a failure warning tone is heard.

Press the **ACK** button to confirm the fault. The warning tone stops, and the fault indicator light turns orange.

Equipment State Restoration

When the system fault has been identified and fixed, the equipment state needs to be restored.

Press the **RESET** button to reset the equipment state. All fault indicator lights are restored to their normal states, and the fault warning tone stops.

System Self-Test

The DCS self-test function is activated by pressing the **TEST** button on the front panel. Operation steps involve the following:

Press the **TEST** button to activate the self-test function for the DCS and equipment connected to the system.

All of the indicator lights that display just one color are turned on. All of the lights that can display two colors switch back and forth between these two colors. The fault indication buzzer rings continuously.

Press the **TEST** button again to stop the self-test program.

Note:

- The self-test function does not affect the normal operation of other functions unrelated to the self-test function. For example, if the self-test function is initiated during voice broadcasting, the voice broadcast function is not interrupted and all the indicator lights will flicker.
- The system times out in one minute by default. If the self-test function occurs for a minute without being manually halted, the system automatically stops the self-test function.

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Zone Selection

A zone is selected by pressing the button that represents the zone. Press the selected zone button again to deselect the zone.

Press the **ALL** button on the DCS front panel to select all zones, and press this button again to deselect them.

Note:

Only the enabled zones which have been set in the Config software are selectable.

The zone state indicator lights have the following meanings:

- A solid orange light indicates the zone has been disabled or has short-circuited.
- A flickering orange light indicates the zone has an open circuit.
- A green light indicates that the system is broadcasting.
- A red light indicates the system is broadcasting fire emergency information.
- A flickering green light indicates the zone has been selected. When the light is off this indicates the zone is either not selected or is not in use.
- If a zone is selected and no other operation is performed for more than one minute, the zone indicator light automatically returns to its original state.

Zone Monitoring

The DCS can monitor sound being broadcast in certain zones. Perform the following steps to monitor sound being broadcast in particular zones:

1. Press and hold the **MONITOR** button until the following has finished.
2. Select the needed zone to be monitored. The monitoring loudspeaker plays the sound being broadcast in the selected zone.

   The DCS can only monitor one zone, and the system automatically cancels the previous zone that has been selected if another zone is selected. Repeating the operations above will allow the user to monitor other zones.
3. Press the **MONITOR** button again to stop zone monitoring.

Time Delay Cancellation

When the DCS is performing the time delay task and in the delayed state, the delay indicator light turns on. If the play task is to be performed immediately, then the time delay needs to be cancelled by pressing the **DELAY** button. When the button is pressed, the equipment automatically initiates playing.

Volume Control

Note:

Note that the number of selection is the order of the channels.

The output sound volume of the built-in speaker can be adjusted by pressing combinations of buttons simultaneously. Press the “Fn” button and turns down the volume, and the “Fn” button and turns up the volume.

In addition to the buttons, X-NPMS and X-SMART can also be used to manage or configure the software for adjusting the output sound volume of the amplifier and zones.

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The buttons operations are shown as in Table 1 below:

Table 1 Power Amplifier Audio Channel Sound Volume Control

Channel No.	Increase Volume	Decrease Volume
1	”1” button + “ ”	”1” button + “ ”
2	”2” button + “ ”	”2” button + “ ”
3	”3” button + “ ”	”3” button + “ ”
4	”4” button + “ ”	”4” button + “ ”
5	”5” button + “ ”	”5” button + “ ”
6	”6” button + “ ”	”6” button + “ ”
7	”7” button + “ ”	”7” button + “ ”
8	”8” button + “ ”	”8” button + “ ”

Broadcasting Operation

This section describes how to use the X-DCS3000 for public broadcasting, including general-purpose broadcasting and fire emergency override broadcasting.

The system can play four different sound sources in different zones.

Public Address

Public address includes playing background music, voice messages, and external input sound sources.

When debugging the system the sound source configuration must be set through the Config software.

To make a public address announcement, follow the steps below:

1. Select the zone or zones for the broadcast.

   Press the **Zone** button to select a zone or zones. Multiple zones can be selected. To select all zones, press the **ALL** button. Indicator lights for selected zones flash green.

2. Select the sound source or sources to be broadcast.

   Press the **Sound Source** button to select the sound sources.

3. The sound source LED flashes green to indicate that preview is available. Press the associated sound source button again to confirm the sound source. Press the **CLOSE** button to cancel or stop previewing the sound source. Press the sound source button once more to confirm the sound source selection and begin broadcasting. If the sound source button is not pressed within a one minute time frame, the system automatically cancels the sound source preview.

   The sound source is broadcasted according to the configuration policies set in the software.

To stop broadcasts in specific zones, follow the steps below:

1. Select the zones in which the broadcast is to be stopped.
2. Press the **CLOSE** button to stop broadcasting in the selected zones.

To stop broadcast from specific sound source, follow the steps below:

1. Press and hold the CLOSE button
2. Select the sound source button representing the sound source that is to be stopped. This will stop the broadcasts occurring in the zones from this sound source.

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Automatic Emergency Broadcasting

When the system is in normal public address mode, emergency broadcasting is disabled. It will be enabled and play the recorded audio when a fire signal is sent to the system through dry contacts.

The fire signal may come from:

- DCS contact input
- NRI contact input

According to the fire functions which are set in the Config software, the indicator in the right of the zone button will display the input state of that zone: a red light indicates an evacuation signal; a green light indicates alert signal.

Under the automatic emergency broadcasting mode, the system is only capable of performing the preset fire broadcasting. To stop emergency broadcasting, a reset signal from the FACP needs to be sent, or press "emergency" to enter the manual emergency mode and close the zones.

Manual Emergency Broadcasting

To make an emergency broadcast manually, follow the steps below:

1. The manual emergency broadcasting mode is initiated by pressing the **Emergency** button. The equipment will stop the all functions which have nothing to do with the emergency broadcasting, such as background music broadcasting.
2. Select the zone or zones for the broadcast.

   Press the **Zone** button to select a zone or zones. Multiple zones can be selected. To select all zones, press the **ALL** button. Indicator lights for selected zones flash green.
3. Select the sound source.
4. When the indicator light flashes green previewing is available for the sound source. Press the associated sound source button again to confirm the sound source to broadcast in the selected zones. To cancel the broadcast, press the close button.

   If the previewing is unavailable during the configuration, the sound source will be directly broadcasted in the selected zones after source selecting.
5. In emergency mode, the normal public address (such as background music) is unavailable. Broadcasting is controlled according to the broadcasting scheme.
6. In the manual emergency mode, to force a zone to close, select the corresponding zone and press “**close”**.
7. Pressing the emergency button twice will cancel the emergency mode.

   When the system is in manual emergency broadcasting mode it will not respond to any fire signals.

Monitoring Operation

The device has built-in speakers to monitor the played audio source from each speaker’s loop.

Press the “Monitor” button and the zone buttons simultaneously, the monitoring speakers will automatically play the zones’ audio. Through this operation, other zones can also be monitored. Press the “Monitor” button again to stop the monitoring.

If there is a need to adjust the monitoring volume, please refer to the chapter *Volume Control* to adjust the monitoring volume.

Emergency Broadcasting Mode

The equipment will automatically stop all the normal public broadcasting and enter automatic emergency broadcasting mode when the DCS receives a fire signal. The “Emergency” button will flicker. The fire signal may come from:

- The DCS dry contact input interface
- NRI contact input

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- Other DCS devices which enter manual or automatic emergency broadcasting mode.

Press the “Emergency” button to enter the manual emergency broadcasting mode, the device will not respond to any fire signal through contact inputs. Manual operation has a higher priority. Press the “Emergency” button again and the device will automatically go into emergency broadcasting mode.

Pressing the “Emergency” button of the DCS panel or the X-NPMS can enable emergency broadcasting mode. The “Emergency” button of the DCS has the highest priority, the priority of the X-NPMS can be set through the software. Only the device with the highest priority can cancel the manual emergency broadcasting.

Please refer to the previous description for the operation of manual emergency broadcasting.

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2 X-DA1500/DA2250/DA4125 Operations Guide

The DA amplifies audio signal power it receives from audio input devices to maintain clarity and volume when broadcast over many speakers.

The High Efficiency Power Amplifier is referred to as “DA” throughout the remainder of this manual.

There are four models of amplifies:

- X-DA1500
- X-DA2250
- X-DA4125

This chapter discusses how to operate the power switch and precautions during use.

Power Switch On/Off

The system powers on when the power switch is in the “**I**” position, and powers off when the switch is in the “**O**” position.

When the indicator light for the main or standby power supply on the front panel of the DA turns green, the respective power supply is working normally.

When the power supply indicator light turns orange, the respective power supply has experienced a fault. Check whether the power supply is connected correctly and that the DA power switch is turned on.

Precautions

Do not operate the DA directly. Relevant operation is performed through control device(DCS).

When using the DA, pay particular attention to the following issues.

Notice:

Make sure all cables are connected properly before turning on the DA.

Pay particular attention to which audio input source is selected and configure the output signal level appropriately, as this can save electricity.

Do not connect the grounding output cable with the grounding input cable as this causes a short circuit to occur.

Warning!

Do not alter the circuit board or schematic diagram.

When the **CLIP** indicator light is flashing red, immediately reduce the audio volume. If peak clipping occurs for too long, the DA could be damaged.

If the audio signal or peak clipping signal is too high, the speakers could be damaged.

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3 X-NPMS Operations Guide

The X-NPMS can transfer the audio source to other devices in the X-618 system via the Ethernet. Features include: zone paging, internal audio broadcast controlling, zone monitoring, full duplex intercom and other functions. The X-NPMS Configurable Network Paging Console is referred to as “NPMS” throughout the remainder of this manual. This chapter describes the basic operation of the X-NPMS and its troubleshooting.

There are 2 operation methods: touchscreen operation and key operation. This unit is equipped with a capacitive touchscreen.

Status Indicator

There are 4 indicators at the paging panel:

- Power Indicator

  To indicate power status, normally in green.

- Fault Indicator

  To indicate system faults, when there is a fault, the LED will illuminate yellow. A Flickering yellow light indicates the fault is not confirmed, and a constant yellow light indicates the fault is confirmed.

- Microphone Indicator

  To indicate the working and fault status of the microphone. A flickering green light indicates a prompt tone is being played, and a constant green light indicates a paging broadcast is being conducted. A yellow light indicates the microphone has a fault.

- Network Status Indicator

  To indicate the network connection status. A constant yellow light indicates the connection is normal, and a flickering yellow light indicates the equipment cannot communicate to other devices.

Initializing and Signing in X-NPMS

To initialize and sign refer to the following steps.

1. After connecting to the power supply, the NPMS will initialize automatically, which is shown in Figure 1. Logo, date and project name are shown in the interface and can be set through the config software. Drag the icon “SignIn” to enter login interface.



Figure 1 X-NPMS Standby Interface

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1. The login interface (shown in figure 2) is where user name and password are entered. Operating permissions are set in the Config. software.

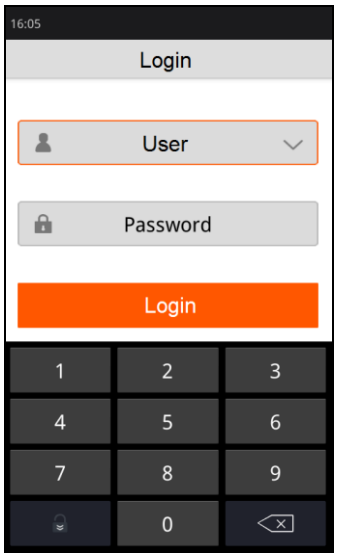


Figure 2 Login Interface

2. Click “Login” after entering password to enter the main operation interface.

   If the password is incorrect, the input field will be automatically empty and has no response.

   Click the icon  to delete the inputs from user / password fields. Click the  to go back to the standby interface.

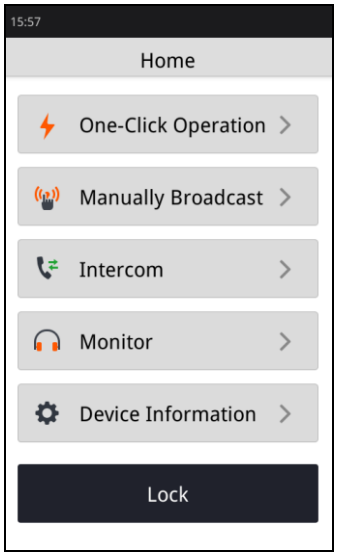


Figure 3 Main Operation Interface

Operations can be conducted by the touchscreen and to use the keys a password must be entered. Contents of the main operation interface are as follows:

One-Click Operation, which is used to broadcast or conduct volume control via configurable functions.

Manual Broadcast, to conduct manual broadcast, speech synthesis, play external audio, recording broadcast and timing broadcast.

Intercom, through it users use different X-NPMS can realize communication.

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Monitor, is used to monitor the current broadcast of speaker lines.

Device Information, is used to view relevant device information, such as name, ID and IP address.

One-Click Operation

One click Operation interface has a maximum of 80 shortcut buttons. Each button can be set as the following:

- Task

  Including Audio resource, policy and target zones. One-click broadcast can be realized and users can set the names of buttons via configuration software.

- Volume Control

  Setting the step value of buttons, zones and groups to realize one-click volume control. Continuous pressing of buttons to adjust volume is not supported.

Click the task button to broadcast, and click again to stop it. Under normal mode, the emergency task button is unavailable. In manual emergency mode, only the emergency tasks are valid. The green check box on the upper left of the task button indicates that current task is a normal task and being played. The red check box indicates the current task is an emergency task and being played. An empty check box shows there is no task is being broadcasted. If button is unavailable it will be grayed out.

Click the volume button to adjust volume. The grey check box indicates the current volume is the maximum or minimum value.

Note:

Since the volume button may cover many zones each with their separate volume levels, after pressing, a zone's volume will be increased or decreased from on its original volume.

If there are multiple buttons, slide the screen to view.

Click the icon to go back to the main operation interface.

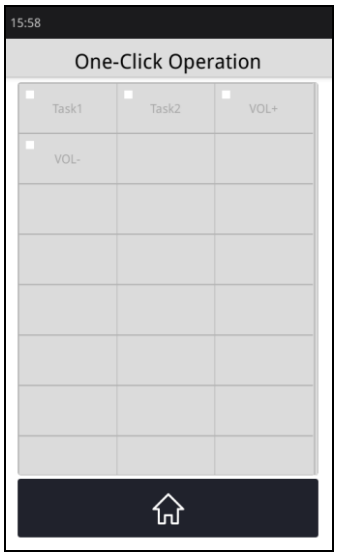


Figure 4 Shortcuts Interface

Manually Broadcast

Click "Manually Broadcast" to enter submenu, which is shown in Figure 5. It includes manually broadcast, speech synthesis, play external audio, recording broadcast and timing broadcast. The

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contents are based on operation authorization. If there is no user configured, all the functions are displayed and can be used. Click the button to get into relevant interface, the icon will bring back to main operation interface.

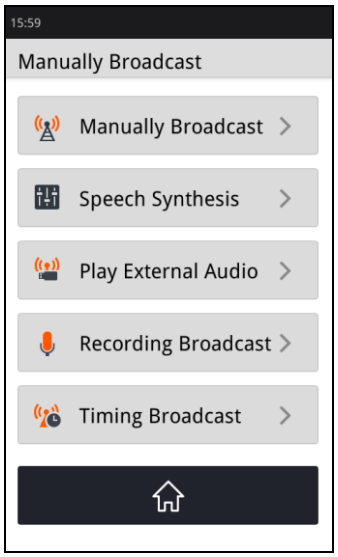


Figure 5 Manual Interface

Manually Broadcast

The “Manually Broadcast” function is used to broadcast by selecting zones and tasks. Following are the steps:

1. Click “Manually Broadcast” to select target zones or groups from the interface as shown in Figure 6:

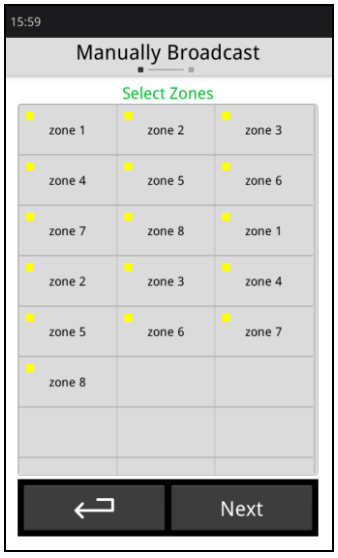


Figure 6 Target Zones/Groups Interface

2. Click “Next” to select task which need to be broadcasted, then click the button to play.

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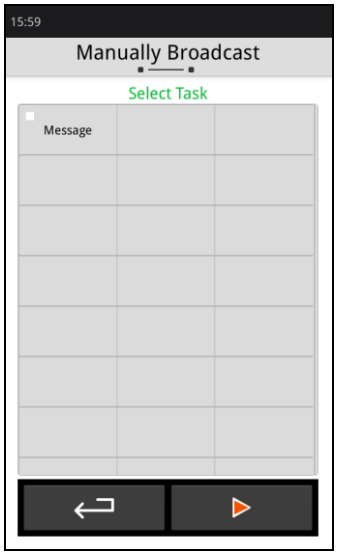


Figure 7 Task Interface

Slide the screen to view more contents.

After selecting a task, it will automatically go back to the zone interface, in which the user can conduct the next operation. Click the back to go to the previous menu.

Speech Synthesis

Speech can be synthesized and broadcasted through the X-NPMS. The users first need to set relevant functions, such as language, audio file, category, and synthesized speech task. Steps are as follows:

1. Click “Speech Synthesis” to enter the zone interface where target zones and groups can be chosen.

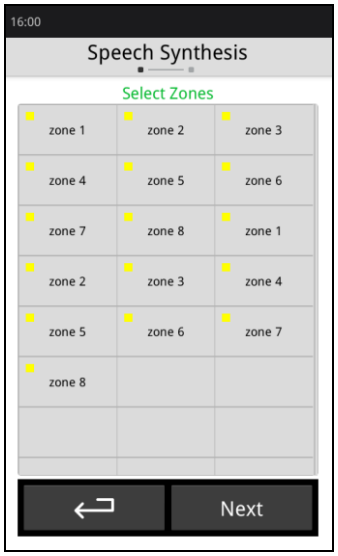


Figure 8 Selecting Zone/Groups Interface

2. Click “Next” to enter Synthesis interface, which is shown in Figure 10. There are 3 zones:
   - “Text” shows the selected broadcasts. Click the icon to play the broadcasts through the internal speakers. The “Clear” button is to cancel text contents.
   - “Category” indicates the types of predefined speech.

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- Every voice category can cover at most 10 voice segments. After choosing one segment, the interface will automatically switch to the next.

3. When selection is finished, click to play.

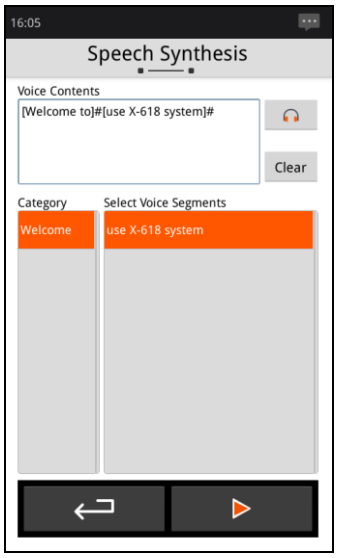


Figure 10 DVA Interface

Play External Audio

External audio files from USB disk is capable of being played via the X-NPMS. Files must be placed under the root directory of USB drive, other paths are not supported.

1. Insert the USB drive into the USB interface at the back panel of device.
2. Click “Play External Audio” to select zones and groups, which is shown in Figure 11. Slide the screen to view more zones and groups.

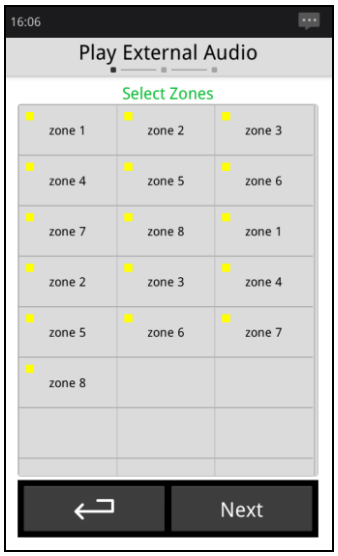


Figure 11 Selecting Zones/Groups Interface

3. Click “Next” and choose the audio files which need to be broadcasted, slide the screen to view the files. If device shows no file list after inserting USB drive, click the “Refresh” and the device will reread the files. Click the “Select All” to select all the files, click “Clear” to cancel it. Click the icon to broadcast.

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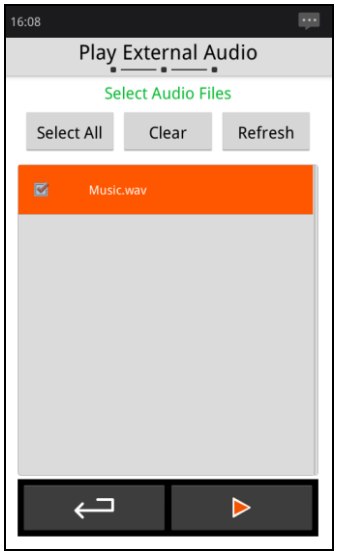


Figure 12 Selecting Audio Files Interface

Note:

Device can only read audio files from root directory of the USB drive. Only the root directory of the USB drive is a valid path. If the USB drive is replaced or removed you must click the “Refresh” button. Currently, device only supports the audio files in *.wav (44.1 KHz/16Bit) format.

Recording Broadcast

Users can play the recorded files stored in the X-NPMS to designated zones. Refer to the following steps:

1. Click “Recording Broadcast” to select zones or groups, which are shown below:

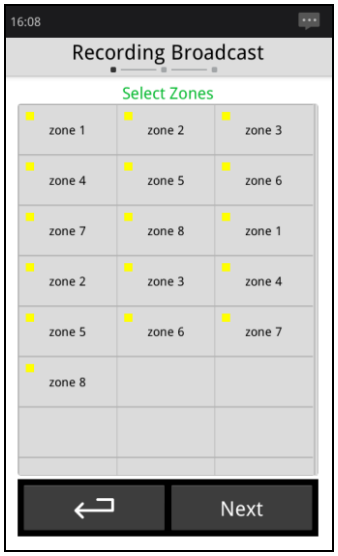


Figure 13 Selecting Zones/Groups Interface

2. Click “Next” to select the recorded files, click “Select All” to select all the files, and click “Clear” to cancel. The icon can be used to play the selected files via the built-in speaker. Drag the orange dot to adjust volume. Click “Delete” to delete temporary recorded files, automatic record cannot be deleted. After selection, click the button to play.

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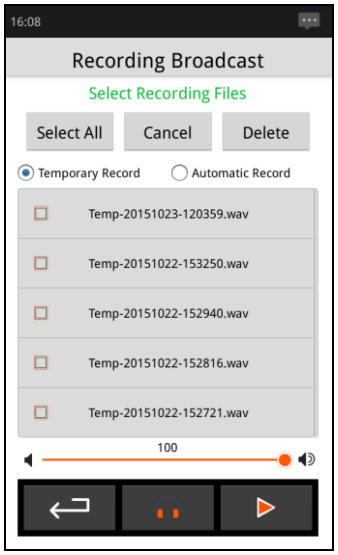


Figure 14 Interface of Selecting Record Files

Slide the screen to view more zones, groups or files.

Note:

Do not remove the USB drive when in the process of playing audio files. Device will reset if the USB drive is removed during the process of playing audio files from the USB drive.

Timing Broadcast

The timing broadcast can be set in the X-NPMS. Tasks and zones come from the ones configured in “Manually Broadcast”. The steps are as follows:

1. Click “Timing Broadcast” and the schedule lists are displayed. The check boxes are used to enable or disable the items, click “Delete” to remove timing items and “Modify” to edit.

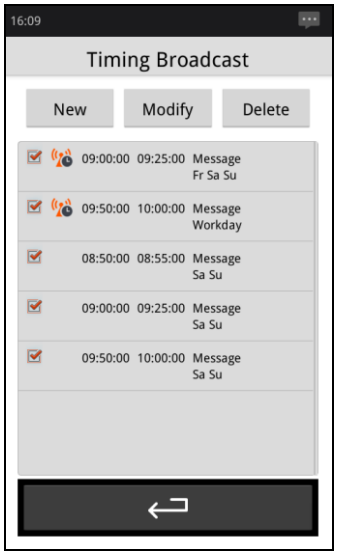


Figure 15 Schedule Interface

2. Click “New” to add a new timing record, shown in figure 16.

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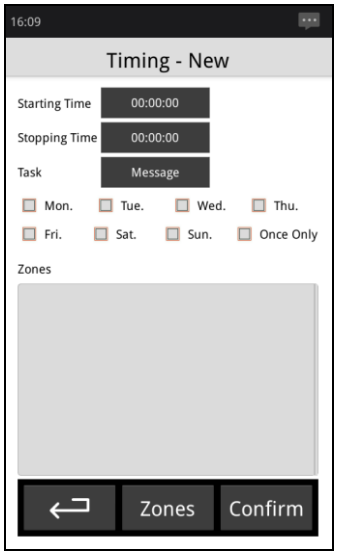


Figure 16 Adding Schedule Interface

- Click the input box behind “Starting Time” as shown in Figure 17. Use the number keys to set the time and click “Confirm” to go back to previous screen.

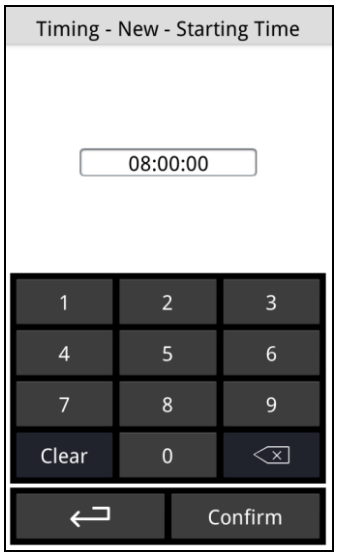


Figure 17 Interface of Starting Time Setting

- Click the input box behind “Stopping Time” shown in Figure 18. Use the number keys to set the time and click “Confirm” to go back to the previous interface.

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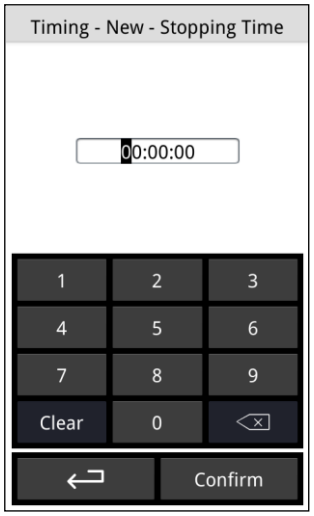


Figure 18 Interface of Stopping Time Setting

- Click the input box behind “Task” to select the task which needs to be broadcast.
- Select the check box in front of “Cycle Working” to set work manner. A timing feature enables the user to set broadcast times. If Monday through Friday is selected it will be displayed as "work day”. If Sunday through Sunday is selected it will be displayed as "everyday". Choose once to broadcast at the times selected only once.
- Target zones are displayed in the below zone list. Click the button “Zone” in the lowest position to show zones interface as shown in Figure 19. Click “Confirm” after selection.

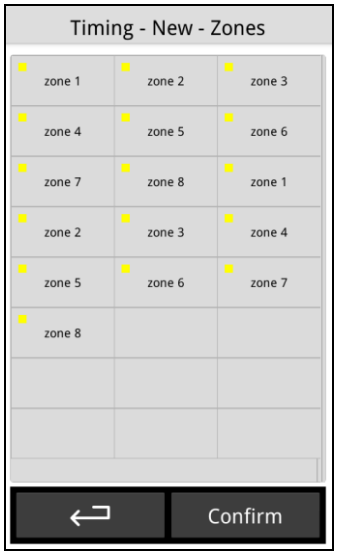


Figure 19 Adding Zones Interface

- Once the timing settings are complete, click “Confirm” to save the record. Newly added items can be viewed in the list.

3. Edit operation is the same as add, and only one piece of schedule can be edited at one time.
4. Click a recording to choose it, and click “Delete” to remove it.

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Intercom

Click “Intercom” in the main operation interface, see figure 20. A maximum of 249 X-NPMS can be configured. Every button shows the name of the X-NPMS, and the little square in the top left corner indicates the status of the current device. Yellow LED means communication is unavailable, such as the microphone or a network fault. A green light shows communication is available.

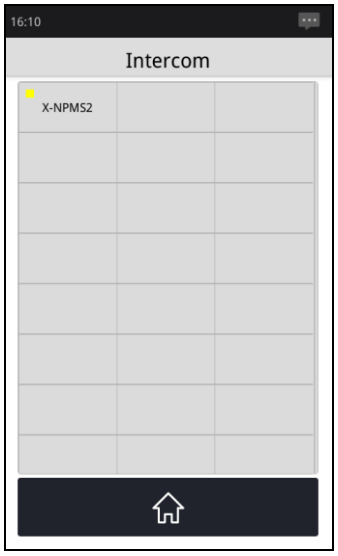


Figure 20 Interface of Selecting Communicator

1. Select a device and click the button to send a call request, see Figure 21. If there is no response within one minute, the call will be ended automatically. Click hang up to stop the call.

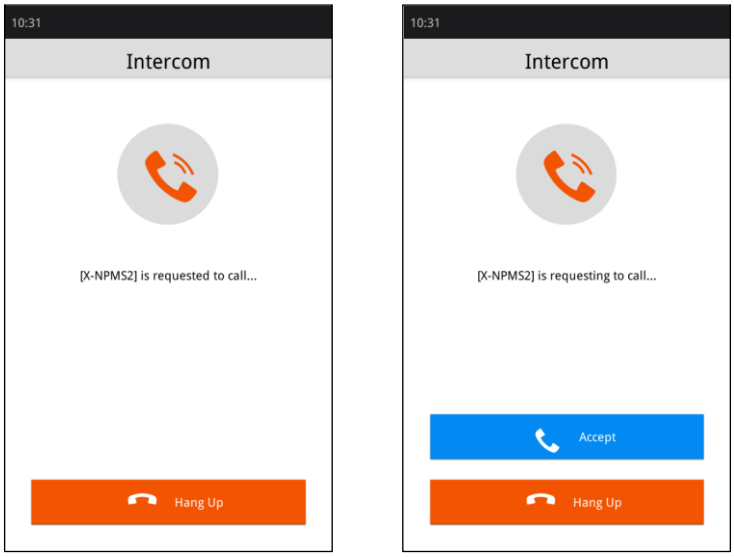


Figure 21 Interface of Asking for a Call

2. Slide the orange dot to adjust speaker volume. Click “Hang Up” to end a call, see Figure 22.

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Figure 22 Calling Interface

Monitor

To enter the monitor interface click on "monitor". Users are able to monitor the audio source of speaker lines and adjust the monitoring volume. The monitoring sound is capable of being transmitted through built-in speakers or the line output. The little square in the top left corner indicates the status of current zone. A yellow LED indicates there is a fault. A green LED indicates it is in normal condition.

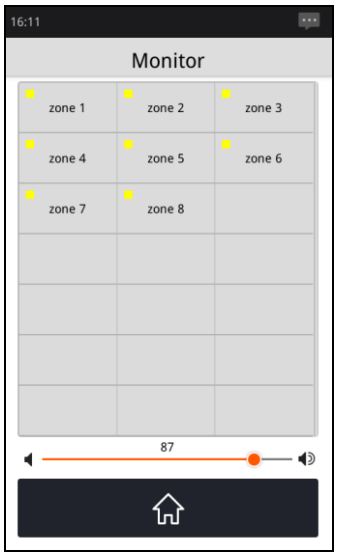


Figure 23 Monitor Interface

The operation steps are as follows:

Click zone buttons to initiate the monitor, and click once more to cancel.

1. Slide the screen to view more zones.
2. Slide the orange dot to adjust volume of built-in speakers.
3. Click the  icon to come back to the main operation interface.

Note:

Zones of the DCS2000 cannot be monitored by this equipment.

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Device Information

Click “Device Information” to view information about the equipment, such as the device name, ID, IP address, subnet mask, gateway, physical address, current user, and numbers of extended key modules. Click the icon to return to the home screen.

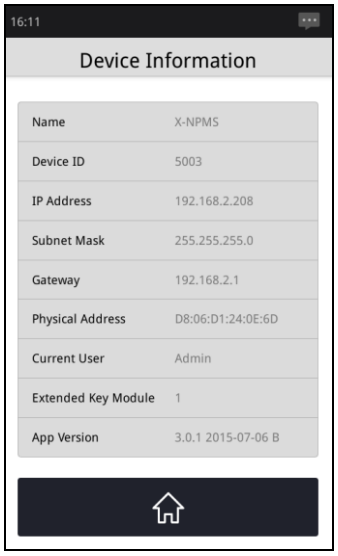


Figure 24 Device Information Interface

Message

Slide down the screen from the top edge to see the message interface, see Figure 25. Slide up from the bottom edge to close this window. The message window displays the time and content of each event. Click the icon ⊗ to delete. “Clear All” on the top of the screen is used to remove all messages.

Silde the screen to view more contents.

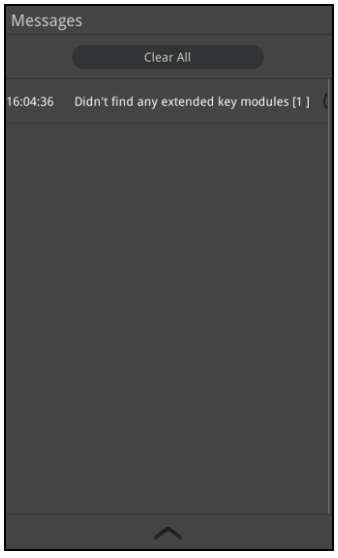


Figure 25 Message Interface

Broadcasting Tasks

Slide up the screen from the bottom edge to see the broadcasting task, which is shown as Figure 26. This window displays the starting time and the task names which are being broadcasted. Click the icon ⊗ to delete, and click “Clear All” to end all tasks.

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Silde the screen to view more contents.

Slide down the screen from the top edge to close the interface.

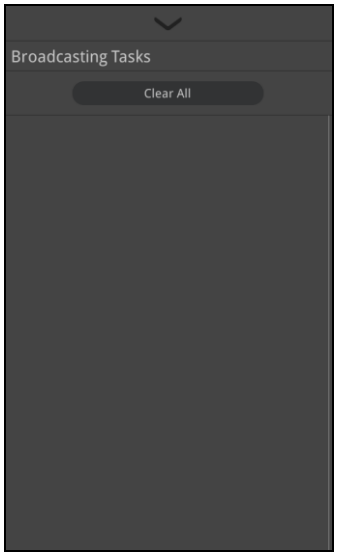


Figure 26 Task Interface

Quick Broadcast

Slide the screen from the left edge to the right to enter the quick broadcast interface. The simplifying function allows users to directly enter zones and task numbers to initiate a broadcast. See figure 27.

The input format is shown as below:

Zone X * Zone Y…… * Zone N # Task Number

- Number of zone is the number of zone/group in “Manually Broadcast” interface, ranges from 1~2000. Users can input 1 or more.
- Task number is the number of task in “Manual” interface, ranges from1~1024.

The operations are as follows:

1. Use the virtual keyboard to add zone and task numbers. The contents will be shown at the top of the screen. Click “Clear” to delete all the contents, and click the icon  to delete the contents by one.
2. Click “Play” to broadcast.

Slide the screen from the right side to the left to close this window.

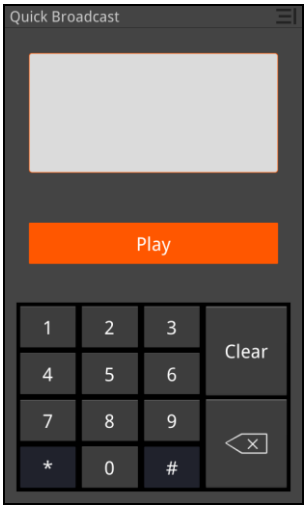


Figure 27 Quick Broadcast Interface

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Shortcut Menu

The shortcut menu can make it convenient for users to conduct different operations. Slide the screen from the right to the left to enter tool interface, which includes One-Click Operation, Manually Broadcast, Intercom, Play External Audio, Monitor, Recording Broadcast, Device Information, Special Operation, and Lock.

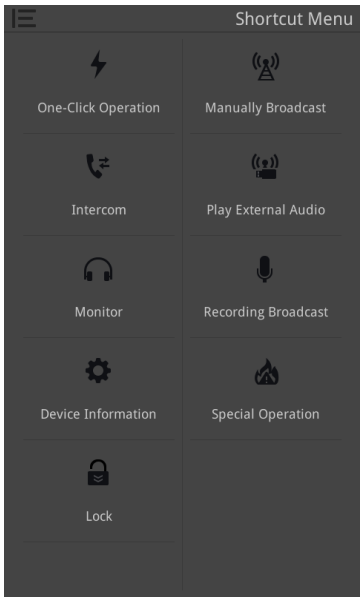


Figure 28 Tool Interface

Click “Special Operation” to show Fault ACK, Fault Reset, Lamp Test, and Temporary Record.

- “Fault ACK” is used to confirm current fault. The piezo will be mute after confirmation. The fault indicator LED is yellow.
- “Fault Reset” is used to reset after troubleshooting.
- “Lamp Test” is used to start or stop lamp test function.
- “Temporary Record” is used to manually record via the microphone. Record files can be viewed by the “Recording Broadcast” function.

Operation steps of Temporary Record:

1. Click “Temporary Record” to initiate this function. The interface will display current record time.
2. Click “Stop” to stop recording.

During the recording, a new record file will be automatically created with the format “Temp-Year, Month, Day, Minute, Second”. The time here is the time when recording begins.

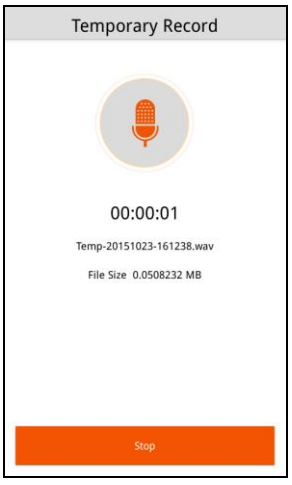


Figure 29 Temporary Record Interface

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Note:

The maximum time for temporary record is 1 hour. When there is no storage space, the equipment will automatically delete the earliest recording. If a recording exceeds one hour, it will stop recording automatically

Physical Key

Users can configure extended key modules X-K8 or X-K4 based on requirements. Key modules can be connected with the X-NPMS. Function of every button can be set as:

- Task

  Includes the audio source, the broadcast strategy and the zones.

- Volume Control

  Setting the step value of volume buttons, and zones to realize one-click volume control. Pressing button continuously to adjust volume is not supported.

- Selecting Zones

  Buttons can be assigned to specific zones.

- Selecting Groups

  Buttons can be assigned to individual groups for zone broadcasts of those groups.

Operation steps of task broadcast:

1. Press zone/group button, the LED will flicker green. You can choose more than one button at a time. Press the button again to cancel.
2. Press the task button to broadcast. If there is no zone in a task, press the button directly. Default setting is to broadcast the manageable zones. If zones are included in a task, either selecting or not selecting is ok. For no selection, it will broadcast default zones, and for selection, it will broadcast selected zones together with default zones. The left green indicators shows current task is a normal broadcast and being played right now. Red indicator shows current task is an emergency broadcast and being played right now.

   For physical key task, 2 trigger methods can be configured: Press or Toggle.

   Press: Press and hold the button to begin playing, and then release the button to stop playing.

   Toggle: Press the button to begin playing, and then press it again to stop playing.

   Buttons in “Quick Broadcast” don’t support Press method.
3. Task will be stopped after pressing task button again or finishing broadcast.

Click the volume button to adjust, continuous clicks is available. Every time when pressing the button, indicator gets green. When volume of all zones is adjusted to the maximum or minimum value, indicator doesn’t light, which means the operation is invalid.

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Paging

If the audio source comes from paging the screen in figure 30 will appear.



Figure 30 Paging Interface

Slide the orange dot to adjust microphone volume. Click hang up to end paging and go back to the previous interface.

If the “Record” function is initiated in paging, the device will automatically record the broadcast and end after one hour. If there is not enough storage space for recording files, the device will delete the earliest files automatically. The recorded files can be viewed, auditioned and played through “Recording Broadcast” function, and cannot be deleted manually.

Emergency Broadcast

A red manual emergency button is located on the unit and is used to enter manual emergency mode. A flashing red LED means a fire signal has been received and automatic emergency broadcast is initiated. After pressing this button, indicator will be in red constantly. The LED indicates that all devices are controlled by manual emergency mode.

Press again to come back to automatic emergency mode or normal mode.

The emergency task button is unavailable when the unit is in normal mode. When the unit is in manual emergency mode, the normal task button is unavailable.

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4 X-NRI Operations Guide

The X-NRI/EN is the external interface expansion control equipment in the X-618 to meet the common interface requirements of the broadcasting system. It includes 4 external inputs that can connect to external audio sources, and 1 built-in audio source. All the audio sources are broadcast through an Ethernet network.

The X-NRI/EN Network Resource Interface is referred to as “NRI” throughout the remainder of this manual.

This section introduces some basic operations and precautions.

Power On/Off

The system powers on when the power switch is in the “**I**” position, and powers off when the switch is in the “**O**” position.

When the indicator light for the main or standby power supply on the front panel of the NRI turns green, the power supply is working normally.

When the power supply indicator light turns orange, the power supply has experienced a fault. Check whether the power supply is connected correctly and that the NRI power switch is turned on.

Precautions

It’s better to operate the NRI through the control device (DCS) than operate it directly.

When using the NRI, pay particular attention to the following issues.



Notice:

Make sure all cables are connected properly before turning on the NRI.

Pay particular attention to selection of signal source and output signal level, as this can determine the maximum input signal below the threshold, and keep the signal from distorting.

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