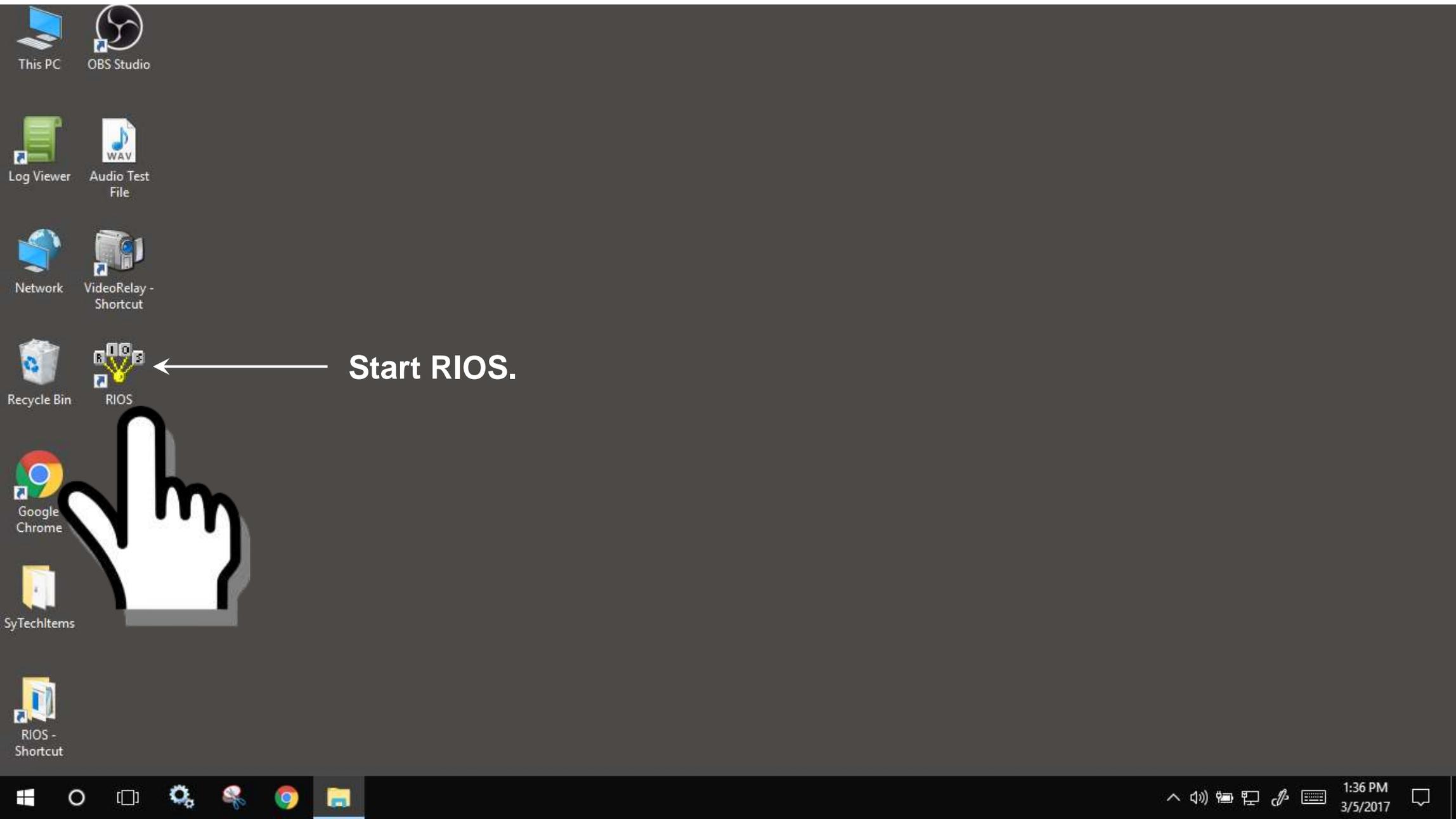
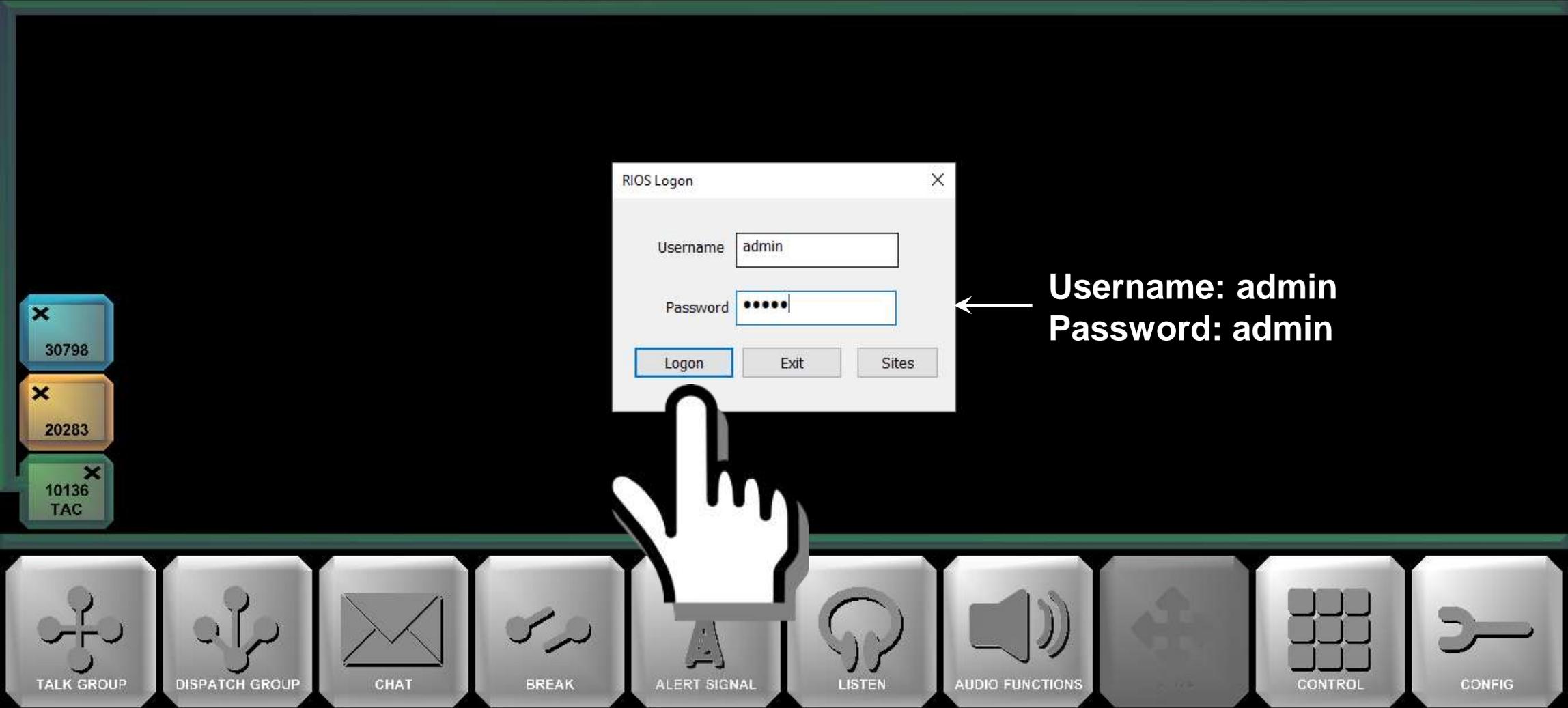


# The RIOS Graphical User Interface



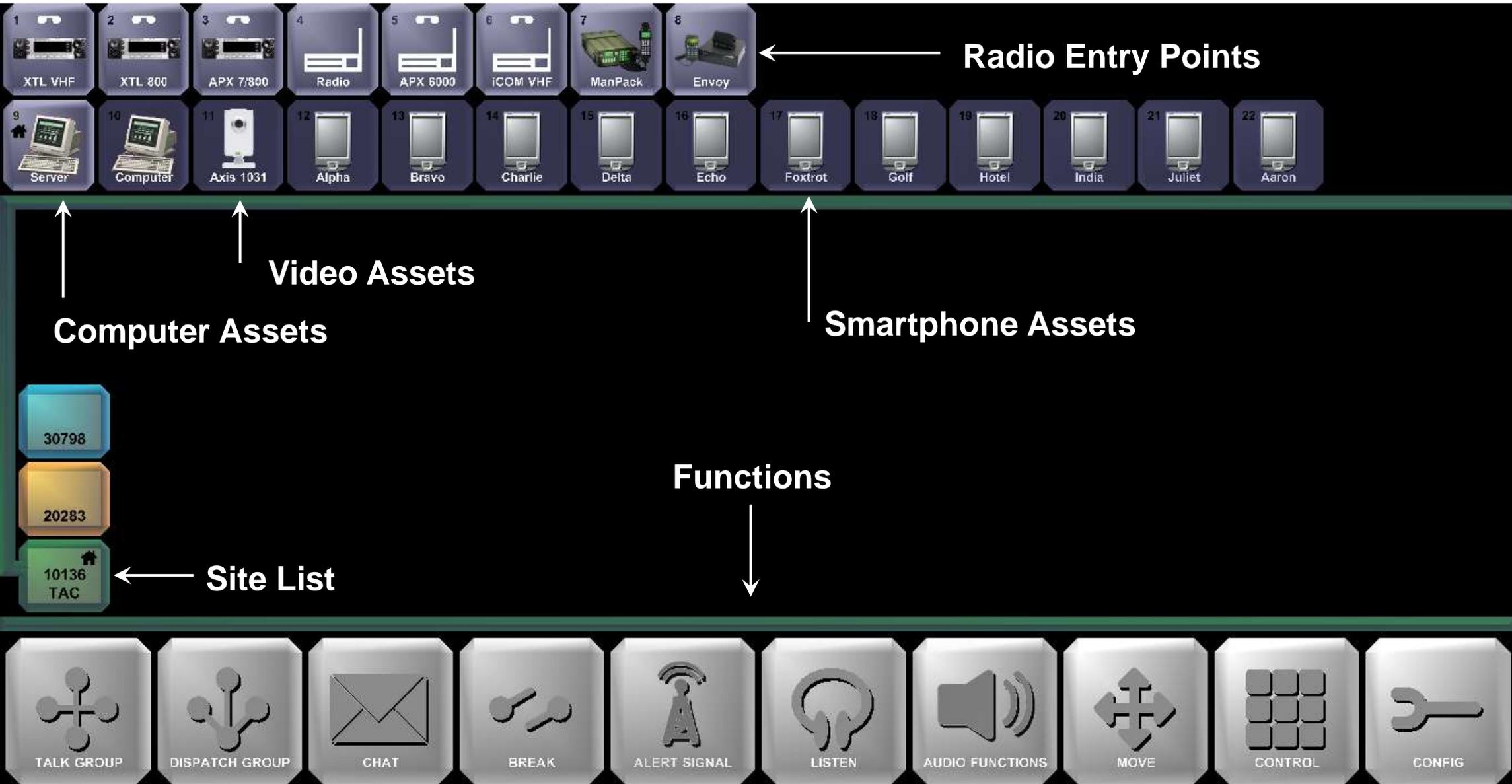
# The RIOS Graphical User Interface

## Logging In



# The RIOS Graphical User Interface

## The RIOS Workspace

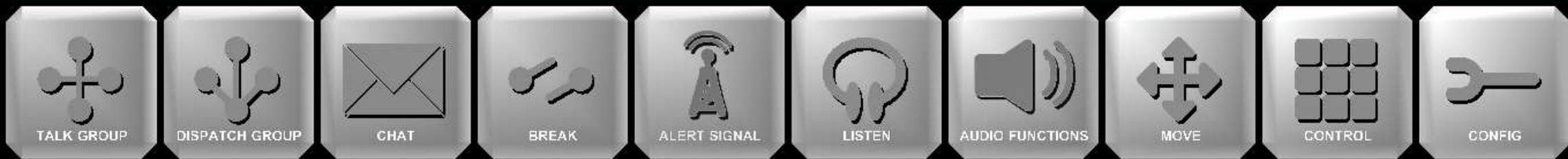


# The RIOS Graphical User Interface

## Receiving and Transmitting



Radio receiving audio.



# The RIOS Graphical User Interface

## Receiving and Transmitting

The screenshot displays the RIOS Graphical User Interface. At the top, a grid of 22 asset icons is shown, numbered 1 through 22. The assets are: 1. XTL VHF, 2. XTL 800, 3. APX 7/800, 4. Radio, 5. APX 6000, 6. ICOM VHF (highlighted in red), 7. ManPack, 8. Envoy, 9. Server (highlighted in green), 10. Computer, 11. Axis 1031, 12. Alpha, 13. Bra, 14. Alpha, 15. Echo, 16. Foxtrot, 17. Golf, 18. Hotel, 19. India, 20. Juliet, 21. Aaron. A large white hand cursor is pointing at the 'ICOM VHF' icon (asset 6). An arrow points from the 'Server' icon (asset 9) to the 'ICOM VHF' icon, with the text 'Assets automatically appears in the Listen Colum.' below it. Below the asset grid, there are three colored buttons: a blue button with '30798', an orange button with '20283', and a green button with '10136 TAC'. At the bottom, a control bar contains ten icons with labels: TALK GROUP, DISPATCH GROUP, CHAT, BREAK, ALERT SIGNAL, LISTEN, AUDIO FUNCTIONS, MOVE, CONTROL, and CONFIG.

Computer transmitting to a radio.

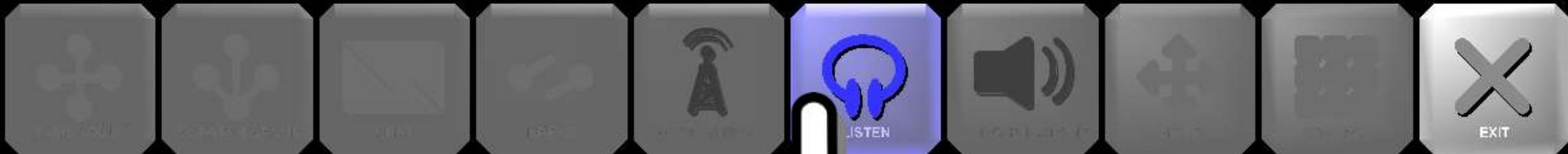
Assets automatically appears in the Listen Colum.

# The RIOS Graphical User Interface

## Listen to an Asset



1. Select the Listen Function.



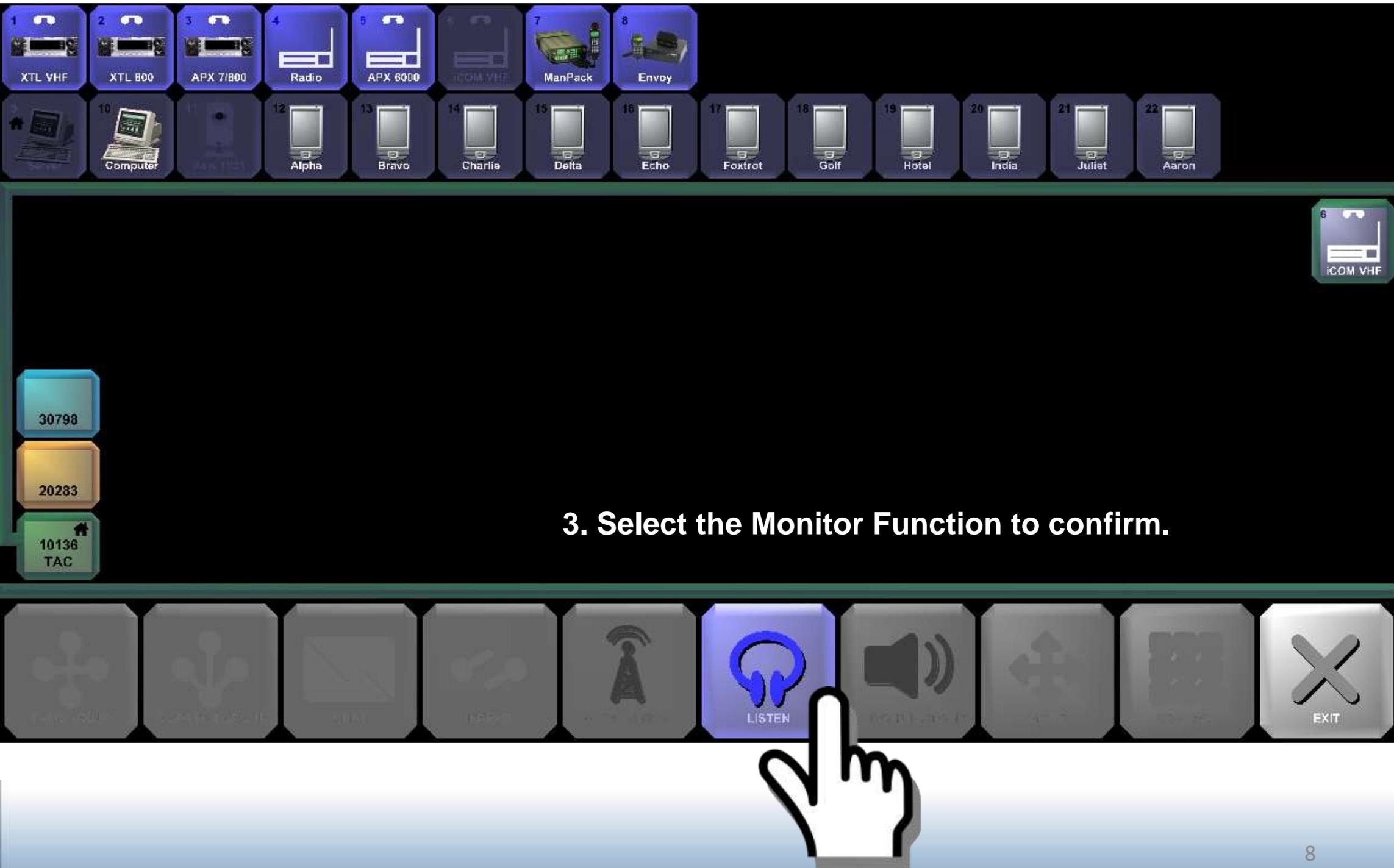
# The RIOS Graphical User Interface

## Listen to an Asset

The screenshot displays the RIOS Graphical User Interface. At the top, a grid of 22 asset icons is shown, numbered 1 through 22. A white hand cursor is pointing at the 'Radio' icon (asset 4). Below the grid, a large white text box contains the instruction: "2. Select the assets to be monitored." To the right of this text, a small 'ICOM VHF' icon is visible. On the left side, there are three colored buttons: a blue button with '30798', an orange button with '20283', and a green button with '10136 TAC'. At the bottom, a horizontal bar contains ten icons. The 'LISTEN' icon, which shows a pair of headphones, is highlighted in blue. Other icons include a network diagram, a document, a handshake, a signal tower, a speaker, a group of people, a server rack, and an 'EXIT' button with a red 'X'.

# The RIOS Graphical User Interface

## Listen to an Asset



# The RIOS Graphical User Interface

## Listen to an Asset

The screenshot displays the RIOS Graphical User Interface. At the top, a grid of 22 asset icons is shown, numbered 1 through 22. The assets are: 1. XTL VHF, 2. XTL 800, 3. APX 7/800, 4. Radio, 5. APX 6000, 6. ICOM VHF, 7. ManPack, 8. Envoy, 9. Server, 10. Computer, 11. Axis 1031, 12. Alpha, 13. Bravo, 14. Charlie, 15. Delta, 16. Echo, 17. Foxtrot, 18. Golf, 19. Hotel, 20. India, 21. Juliet, 22. Aaron. On the left side, there are three colored buttons: a blue button with '30798', an orange button with '20283', and a green button with '10136 TAC'. In the center, a text box reads 'Selected assets appear in the Listen Column.' with an arrow pointing to the right. On the right side, a 'Listen Column' is visible, containing a 2x2 grid of asset icons: ICOM VHF (6), Radio (4), XTL VHF (1), and APX 6000 (5) in the top row; XTL 800 (2) and ManPack (7) in the bottom row; APX 7/800 (3) and Envoy (8) in the bottom row. At the bottom of the screen, a horizontal bar contains ten functional buttons: TALK GROUP, DISPATCH GROUP, CHAT, BREAK, ALERT SIGNAL, LISTEN, AUDIO FUNCTIONS, MOVE, CONTROL, and CONFIG.

# The RIOS Graphical User Interface

## Creating a Patch with the Talkgroup Function

The screenshot displays the RIOS graphical user interface. At the top, there are two rows of device icons numbered 1 through 22, including XTL VHF, XTL 800, APX 7/800, Radio, APX 6000, iCOM VHF, ManPack, Envoy, Server, Computer, Axis 1031, Alpha, Bravo, Charlie, Delta, Echo, Foxtrot, Golf, Hotel, India, Juliet, and Aaron. Below these is a large black area with a blue sphere and a [NEW] label. On the left, there are three colored buttons: a blue button with '30798', an orange button with '20283', and a green button with '10136 TAC'. In the center of this area, the text '1. Select the Talkgroup Function.' is displayed. On the right, there is a grid of smaller device icons. At the bottom, there is a row of ten function buttons: 'TALK GRO' (highlighted with a hand cursor), 'PRIVATE', 'VHF', 'IPPT', 'WIRELESS', 'IPPT', 'SPEAKER', 'MUTE', and 'EXIT'.

# The RIOS Graphical User Interface

## Creating a Patch with the Talkgroup Function

2. Select the assets to be patched.

# The RIOS Graphical User Interface

## Creating a Patch with the Talkgroup Function

The screenshot displays the RIOS Graphical User Interface. At the top, a grid of 22 radio and device icons is shown, including XTL VHF, XTL 800, APX 6000, iCOM VHF, ManPack, Envoy, Server, Computer, and various alphanumeric call signs (Alpha through Aaron). A blue sphere labeled '[NEW]' is connected to an 'iCOM VHF' icon. To the left, three frequency buttons are visible: 30798, 20283, and 10136 TAC. A central text instruction reads: **3. Select the Talkgroup Function to confirm.** At the bottom, a row of ten function buttons is shown: TALK GROUP (highlighted with a hand cursor), PRIVATE, MUTE, MUTE, TALK, MUTE, MUTE, MUTE, MUTE, and EXIT.

# The RIOS Graphical User Interface

## Creating a Patch with the Talkgroup Function

The screenshot displays the RIOS Graphical User Interface for creating a patch. At the top, a grid of 22 radio and device icons is shown, numbered 1 through 22. The icons include: 1. XTL VHF, 2. XTL 800, 3. APX 6000, 4. Radio, 5. APX 8000, 6. ICOM VHF, 7. ManPack, 8. Envoy, 9. Server, 10. Computer, 11. APX 1031, 12. Alpha, 13. Bravo, 14. Charlie, 15. Delta, 16. Echo, 17. Foxtrot, 18. Golf, 19. Hotel, 20. India, 21. Juliet, 22. Aaron. A yellow sphere with a '[NEW]' label is connected to the APX 1031 icon (11) and a new ICOM VHF icon (6) in the center. The text 'The patch is complete.' is displayed in the center. On the left, three call number buttons are visible: 30798 (blue), 20283 (orange), and 10136 TAC (green). On the right, a 4x2 grid of icons shows the selected components for the patch: ICOM VHF (6), Radio (4), XTL VHF (1), APX 6000 (5), XTL 800 (2), ManPack (7), APX 7/800 (3), and Envoy (8). At the bottom, a row of ten function buttons is shown: TALK GROUP, DISPATCH GROUP, CHAT, BREAK, ALERT SIGNAL, LISTEN, AUDIO FUNCTIONS, MOVE, CONTROL, and CONFIG.

# The RIOS Graphical User Interface

## The Move Function

The screenshot displays the RIOS Graphical User Interface. At the top, a grid of 22 radio and device icons is shown, including XTL VHF, XTL 800, APX 6000, ICOM VHF, ManPack, Envoy, Server, Computer, APX 1031, and various alphanumeric call signs (Alpha through Aaron). A yellow sphere with a '[NEW]' label is positioned above the ICOM VHF icon in the second row. To the left, three call sign buttons are visible: 30798, 20283, and 10136 TAC. On the right side, a smaller grid of icons is shown, including ICOM VHF, Radio, XTL VHF, APX 6000, XTL 800, ManPack, APX 7/800, and Envoy. At the bottom, a horizontal bar contains ten function buttons: TALK GROUP, DISPATCH GROUP, CHAT, BREAK, ALERT SIGNAL, LISTEN, AUDIO FUNCTIONS, MOVE, CONTROL, and CONFIG. The MOVE button, which features a blue four-way arrow icon, is highlighted in a darker blue, and a white hand cursor is pointing at it. The text '1. Select the Move Function.' is overlaid on the screen, centered below the radio icons and above the function bar.

1. Select the Move Function.

# The RIOS Graphical User Interface

## The Move Function

The screenshot displays the RIOS Graphical User Interface. At the top, a grid of 22 radio and device icons is shown, including XTL VHF, XTL 800, APX 6000, ICOM VHF, ManPack, Envoy, Server, Computer, Alpha, Bravo, Charlie, Delta, Echo, Foxtrot, Golf, Hotel, India, Juliet, and Aaron. A mouse cursor is positioned over the 'APX 6000' icon, which is highlighted with a green border. Below this grid, a large white hand icon is shown dragging the 'APX 6000' icon towards the right side of the screen. On the right side, a smaller grid of icons is visible, including 'iCOM VHF', 'Radio', 'XTL VHF', 'APX 6000', 'XTL 800', and 'ManPack'. In the bottom left corner, there are three colored buttons: a blue button with '30798', an orange button with '20283', and a green button with '10136 TAC'. At the bottom of the screen, a row of ten function buttons is displayed: TALK GROUP, DISPATCH GROUP, CHAT, BREAK, ALERT SIGNAL, LISTEN, AUDIO FUNCTIONS, MOVE (highlighted in blue), CONTROL, and CONFIG.

2. Drag the Talkgroup to the desired location.

# The RIOS Graphical User Interface

## The Move Function

The screenshot displays the RIOS Graphical User Interface. At the top, there are two rows of device icons labeled 1 through 22. The first row includes: 1 XTL VHF, 2 XTL 800, 3 APX 7/800, 4 Radio, 5 APX 6000, 6 iCOM VHF, 7 ManPack, and 8 Envoy. The second row includes: 9 Server, 10 Computer, 11 Axis 1031, 12 Alpha, 13 Bravo, 14 Charlie, 15 Delta, 16 Echo, 17 Foxtrot, 18 Golf, 19 Hotel, 20 India, 21 Juliet, and 22 Aaron. On the left side, there are three call number buttons: 30798 (blue), 20283 (orange), and 10136 TAC (green with a house icon). In the center, a vertical connection diagram shows a yellow sphere with a [NEW] label, connected to a device icon labeled 5 APX 6000 at the top and a device icon labeled 6 iCOM VHF at the bottom. On the right side, there is a grid of device icons labeled 1 through 8. At the bottom, there is a row of ten function buttons: TALK GROUP, DISPATCH GROUP, CHAT, BREAK, ALERT SIGNAL, LISTEN, AUDIO FUNCTIONS, MOVE, CONTROL, and CONFIG. A hand cursor is pointing to the MOVE button. The text '3. Select the Move Function to confirm.' is displayed to the right of the central diagram.

3. Select the Move Function to confirm.

# The RIOS Graphical User Interface

## Adding to a Patch

The screenshot displays the RIOS Graphical User Interface for adding to a patch. At the top, there are two rows of icons representing different radio models and servers, numbered 1 through 22. Below these is a central patch diagram area. On the left side of this area, there are three colored buttons with numbers: a blue button with '30798', an orange button with '20283', and a green button with '10136 TAC'. In the center of the patch diagram, a yellow sphere labeled '[NEW]' is connected to a blue box labeled 'APX 6000'. On the right side of the patch diagram, there are two columns of radio icons, numbered 4 through 8. At the bottom of the screen, there is a toolbar with several buttons: 'TALK GROUP' (highlighted with a hand cursor), 'PRIVATE', 'MUTE', 'MUTE OFF', 'MUTE ON', 'MUTE OFF', 'MUTE ON', 'MUTE OFF', 'MUTE ON', and 'EXIT'.

1. Select the Talkgroup Function.

# The RIOS Graphical User Interface

## Adding to a Patch

The screenshot displays the RIOS Graphical User Interface for adding assets to a patch. At the top, there are two rows of asset icons numbered 1 through 22, including XTL VHF, XTL 800, APX 7/800, Radio, APX 6000, ICOM VHF, ManPack, Envoy, Server, Computer, Axis 1031, Alpha, Bravo, Charlie, Delta, Echo, Foxtrot, Golf, Hotel, India, Juliet, and Aaron. On the left side, there are three callout boxes with the numbers 30798, 20283, and 10136 TAC. In the center, a patch diagram shows a central node labeled 'INB' with a hand cursor pointing to it. To the right of the patch diagram, there are four columns of asset icons numbered 4 through 8, including iCOM VHF, Radio, XTL VHF, APX 6000, XTL 800, ManPack, APX 7/800, and Envoy. At the bottom, there is a row of ten control buttons: TALK GROUP, PRIVATE, TALK, GROUP, APX 6000, XTL 800, XTL VHF, TALK, TALK, TALK, and EXIT.

Select the center node of the patch that will receive the additional asset.



# The RIOS Graphical User Interface

## Adding to a Patch



3. Select the Talkgroup Function to confirm.



# The RIOS Graphical User Interface

## Transmitting to a Patch

The screenshot displays the RIOS Graphical User Interface. At the top, there is a grid of 22 radio entry points, numbered 1 through 22. The entry points are: 1 XTL VHF, 2 XTL 800, 3 APX 7/800, 4 Radio, 5 APX 6000, 6 iCOM VHF, 7 ManPack, 8 Envoy, 9 Server, 10 Computer, 11 Axis 1031, 12 Alpha, 13 Bravo, 14 Charlie, 15 Delta, 16 Echo, 17 Foxtrot, 18 Golf, 19 Hotel, 20 India, 21 Juliet, and 22 Aaron. In the center, a patch diagram shows a central yellow node with a hand cursor pointing to it, connected to two red nodes labeled 'APX 6000' (5) and 'Envoy' (8). To the left of the patch diagram, there are three callout boxes with the numbers 30798, 20283, and 10136 TAC. Below the patch diagram, there is a row of ten control buttons: TALK GROUP, DISPATCH GROUP, CHAT, BREAK, ALERT SIGNAL, LISTEN, AUDIO FUNCTIONS, MOVE, CONTROL, and CONFIG. On the right side of the interface, there is a vertical stack of eight radio entry point icons, including iCOM VHF, Radio, XTL VHF, APX 6000, XTL 800, ManPack, APX 7/800, and Envoy.

30798

20283

10136  
TAC

**Press and hold the center node of the patch to broadcast to all radio entry points within the group.**

TALK GROUP DISPATCH GROUP CHAT BREAK ALERT SIGNAL LISTEN AUDIO FUNCTIONS MOVE CONTROL CONFIG



# The RIOS Graphical User Interface

## Naming a Patch

2. Select the patch.

30798

20283

10136  
TAC

LOAD SAVE DELETE LOG OFF SITE CONFIG AUDIO FUNCTIONS USER ADMIN GLOBAL CONF CLIENT CONF EXIT

# The RIOS Graphical User Interface

## Naming a Patch



### 3 Radios in a Patch|



3. Input the name of the patch and select “Enter.”

# The RIOS Graphical User Interface

## Naming a Patch

The screenshot displays the RIOS Graphical User Interface. At the top, there is a grid of 22 radio and device icons, numbered 1 through 22. The icons include: 1. XTL VHF, 2. XTL 800, 3. APX 7/800, 4. Radio, 5. APX 6000, 6. ICOM VHF, 7. ManPack, 8. Envoy, 9. Server, 10. Computer, 11. Axis 1031, 12. Alpha, 13. Bravo, 14. Charlie, 15. Delta, 16. Echo, 17. Foxtrot, 18. Golf, 19. Hotel, 20. India, 21. Juliet, 22. Aaron.

In the center, a patch is shown with a yellow sphere icon and the text "3 Radios in a Patch". Three lines connect this patch to three radio icons: 5. APX 6000, 8. Envoy, and 6. ICOM VHF.

On the left side, there are three call number buttons: 30798 (blue), 20283 (orange), and 10136 TAC (green with a house icon).

On the right side, there is a vertical column of eight radio icons, numbered 4 through 8, which are highlighted with a green border. The icons are: 4. Radio, 5. APX 6000, 6. ICOM VHF, 7. ManPack, 8. Envoy, 1. XTL VHF, 2. XTL 800, and 3. APX 7/800.

At the bottom, there is a row of ten function buttons: TALK GROUP, DISPATCH GROUP, CHAT, BREAK, ALERT SIGNAL, LISTEN, AUDIO FUNCTIONS, MOVE, CONTROL, and CONFIG.

The text "The updated name of the patch will be shown." is displayed in the center of the interface.

# The RIOS Graphical User Interface

## Adjusting Input and Output Gain Settings

1. Select the Configuration Function.

3 Radios in a Patch

30798  
20283  
10136  
TAC

LOAD SAVE DELETE LOG OFF SITE CONFIG AUDIO FUNCTIONS USER ADMIN GLOBAL CONF CLIENT C...

EXIT

# The RIOS Graphical User Interface

## Adjusting Input and Output Gain Settings

The screenshot displays the RIOS GUI interface. At the top, there is a grid of 22 asset icons, each with a number and a name: 1 XTL VHF, 2 XTL 800, 3 APX 7/800, 4 Radio, 5 APX 6000, 6 iCOM VHF, 7 ManPack, 8 Envoy, 9 Server, 10 Computer, 11 Axis 1031, 12 Al, 13 Charlie, 14 Delta, 15 Echo, 16 Foxtrot, 17 Golf, 18 Hotel, 19 India, 20 Juliet, 21 Aaron. A hand cursor is pointing at the 'APX 6000' icon.

Below the asset grid, there is a navigation bar with a breadcrumb trail: 'APX 6000[/Radios/GenericRadio]'. To the right of the breadcrumb are 'LOAD' and 'SAVE' icons. A text overlay reads: '2. Select the asset to be adjusted.'

The main content area shows a menu with three options: 'General', 'RIOS Input', and 'RIOS Output'. A hand cursor is pointing at the 'RIOS Input' option. A text overlay reads: '3. Select "RIOS Input"'. Below the menu, there is a status bar that says 'Asset Lock State: Locked'.

At the bottom of the screen, there is a row of icons for various functions: 'LOAD', 'SAVE', 'DELETE', 'LOG OFF', 'SITE CONFIG', 'AUDIO FUNCTIONS', 'USER ADMIN', 'GLOBAL CONF', 'CLIENT CONF', and 'EXIT'. A hand cursor is pointing at the 'AUDIO FUNCTIONS' icon. A white arrow points down from the 'CLIENT CONF' icon to the 'CLIENT CONF' icon in the right-hand sidebar.

On the right side of the screen, there is a vertical sidebar with a grid of asset icons: 6 iCOM VHF, 4 Radio, 1 XTL VHF, 5 APX 6000, 2 XTL 800, 7 ManPack, 3 APX 7/800, 8 Envoy.

# The RIOS Graphical User Interface

## Adjusting Input and Output Gain Settings

APX 6000[/Radios/GenericRadio]

5/RIOS Input/

VOX Off Time: 300 ms

Pre Buffers: 2

VMR

Gain: 14

LOAD SAVE

LOAD SAVE DELETE LOG OFF SITE CONFIG AUDIO FUNCTIONS USER ADMIN CLIENT CONF EXIT

4. Increase the Input Gain to increase the level of audio *coming into* RIOS.

# The RIOS Graphical User Interface

## Adjusting Input and Output Gain Settings

APX 6000[/Radios/GenericRadio]

LOAD SAVE

5/

**General**

**RIOS Input**

**RIOS Output** 5. Select "RIOS Output"

Asset Lock State: Locked

LOAD SAVE DELETE LOG OFF SITE CONFIG AUDIO FUNCTIONS USER ADMIN GLOBAL CONF CLIENT CONF EXIT

1 XTL VHF 2 XTL 800 3 APX 7/800 4 Radio 5 APX 6000 6 ICOM VHF 7 ManPack 8 Envoy

9 Server 10 Computer 11 Axis 1031 12 Alpha 13 Bravo 14 Charlie 15 Delta 16 Echo 17 Foxtrot 18 Golf 19 Hotel 20 India 21 Juliet 22 Aaron

6 ICOM VHF 4 Radio

1 XTL VHF 5 APX 6000

2 XTL 800 7 ManPack

3 APX 7/800 8 Envoy

# The RIOS Graphical User Interface

## Adjusting Input and Output Gain Settings

APX 6000[/Radios/GenericRadio]

5/RIOS Output/

Delay Time: 400 ms

Gain: 7

Marker Tone Options

Trunking: Disabled

LOAD SAVE

LOAD SAVE DELETE LOG OFF SITE CONFIG AUDIO FUNCTIONS USER ADMIN GLOBAL CONF CLIENT CONF EXIT

6. Increase the Output Gain to increase the level of audio *going out of* RIOS.

# The RIOS Graphical User Interface

## Saving a Preset Configuration

The screenshot displays the RIOS Graphical User Interface. At the top, there is a grid of 22 radio device icons, numbered 1 through 22, including models like XTL VHF, XTL 800, APX 7/800, Radio, APX 6000, iCOM VHF, ManPack, Envoy, Server, Computer, Axis 1031, Alpha, Bravo, Charlie, Delta, Echo, Foxtrot, Golf, Hotel, India, Juliet, and Aaron.

In the center, a diagram titled "3 Radios in a Patch" shows three radio icons (5: APX 6000, 8: Envoy, and 6: iCOM VHF) connected to a central yellow sphere.

On the left side, there are three colored buttons with the numbers 30798, 20283, and 10136 TAC.

On the right side, there is a vertical column of eight radio device icons, including iCOM VHF, Radio, XTL VHF, APX 6000, XTL 800, ManPack, APX 7/800, and Envoy.

At the bottom, there is a toolbar with ten icons: LOAD, SAVE, DELETE, LOG OFF, SITE CONFIG, AUDIO FUNCTIONS, USER ADMIN, GLOBAL CONF, CLIENT, and EXIT. A hand cursor is pointing at the EXIT button, which has a blue 'X' over it.

**1. Select the Configuration Function.**

# The RIOS Graphical User Interface

## Saving a Preset Configuration

1 XTL VHF 2 XTL 800 3 APX 7/800 4 Radio 5 APX 6000 6 iCOM VHF 7 ManPack 8 Envoy

9 Server 10 Computer 11 Axis 1031 12 Alpha 13 Bravo 14 Charlie 15 Delta 16 Echo 17 Foxtrot 18 Golf 19 Hotel 20 India 21 Juliet 22 Aaron

Save Preset

30798

20283

10136  
TAC

6 iCOM VHF 4 Radio

1 XTL VHF 5 APX 6000

2 XTL 800 7 ManPack

3 APX 7/800 8 Envoy

EXIT

2. Select the arrow as shown.

# The RIOS Graphical User Interface

## Saving a Preset Configuration



### Talkgroup with 3 Radios|



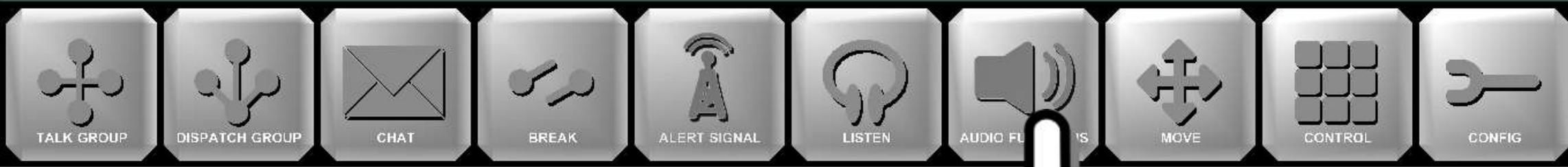
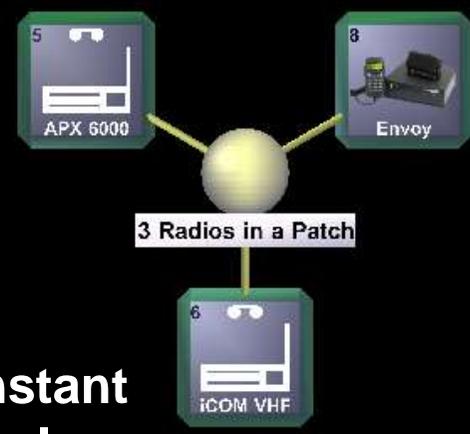
3. Input the desired name of the patch. Select “Enter.”

# The RIOS Graphical User Interface

## The Audio Function and Instant Recall



Select Audio Functions to access Instant Recall and other audio related controls.



# The RIOS Graphical User Interface

## The Audio Function and Instant Recall

The screenshot displays the RIOS GUI interface. At the top, a grid of 22 radio asset icons is shown, numbered 1 through 22. A hand cursor is pointing at the 'Radio' icon (asset 4). Below the grid, a central diagram titled '3 Radios in a Patch' shows three radio assets (APX 5000, Envoy, and ICOM VHF) connected to a central yellow sphere. To the left of the diagram, three frequency callouts are visible: 30798, 20283, and 10136 TAC. To the right, a smaller grid of radio assets is shown. At the bottom, a control bar contains ten buttons: RECORD, PLAYBACK, PAUSE, STOP, RECORDING, IR PLAYBACK, INSTANT RECALL (highlighted in blue), VOLUME, [ SPEAKER ], and EXIT.

By default, Instant Recall is engaged. Select the asset to playback 30 seconds of instant recall\*.

# The RIOS Graphical User Interface

## The Audio Function and Instant Recall

The screenshot displays the RIOS GUI interface. At the top, a grid of 22 radio icons is shown, with the 20th icon, '10136 TAC.5(APX 6000)', highlighted. Below the grid is a playback bar with navigation arrows and a hand cursor pointing to a green segment. A central diagram titled '3 Radios in a Patch' shows three radio icons (APX 6000, Envoy, and iCOM VHF) connected to a central sphere. On the left, a vertical list of call numbers includes '10136 TAC'. At the bottom, a row of control buttons includes RECORD, PLAYBACK, PAUSE, STOP, [ ANTENNA ], IR PLAYBACK, INSTANT RECALL (highlighted in blue), VOLUME, [ SPEAKER ], and EXIT.

10136 TAC.5(APX 6000)

3 Radios in a Patch

The user is able to select transmissions (red) or receptions (green) to playback.

RECORD    PLAYBACK    PAUSE    STOP    [ ANTENNA ]    IR PLAYBACK    INSTANT RECALL    VOLUME    [ SPEAKER ]    EXIT

# The RIOS Graphical User Interface

## The Audio Function and Instant Recall

The screenshot displays the RIOS Client Setup application window, specifically the Audio Settings tab. The window is titled "RIOS Client Setup" and has three tabs: "General Settings", "Audio Settings", and "Video Settings". The "Audio Settings" tab is active, showing the "Audio Setup" section. A hand cursor is pointing at the "Audio Setup" section. The "Audio Setup" section includes two checkboxes: "Audio Comp" and "Audio Filter", both of which are unchecked. Below this is the "System" section, which contains two dropdown menus: "Speakers / Headphones (Realtek)" and "Microphone Array (Realtek Audio)". The "Headset Sound Device" section contains two dropdown menus: "Speaker Device:" and "Microphone Device:". At the bottom of the "Audio Setup" section, there are two sliders: "Audio Receiver Buffer" set to "7 Kbytes" and "Playback Threshold" set to "70 %". The window has four buttons at the bottom: "Apply", "Cancel", "Reset", and "Open CFG File".

The background of the screenshot shows the RIOS GUI interface. On the left, there are several asset icons labeled 1 through 12, including XTL VHF, XTL 800, APX 7/800, Radio, APX 6000, iCOM VHF, ManPack, Envoy, Server, Computer, Axis 1031, and Alpha. On the right, there are two more asset icons labeled 21 and 22, Juliet and Aaron. At the bottom, there is a navigation bar with icons for LOAD, SAVE, DELETE, LOG OFF, SITE CONFIG, AUDIO FUNCTIONS, USER ADMIN, GLOBAL CONF, CLIENT CONF, and EXIT. The "AUDIO FUNCTIONS" icon is highlighted.

The audio setup of RIOS can be found within Audio Functions. Audio Settings control the Windows audio drivers for computer's input and output of audio. Note, the users is required to connect a microphone to PTT to assets.

# The RIOS Graphical User Interface

## Using the Break Function

The screenshot displays the RIOS Graphical User Interface. At the top, there is a grid of 22 asset icons numbered 1 through 22, including various radio models like XTL VHF, APX 7/800, APX 6000, ICOM VHF, ManPack, and Envoy, as well as a Server, Computer, and Axis 1031. Below this grid is a central network diagram titled "3 Radios in a Patch" showing three radio assets (APX 6000, Envoy, and ICOM VHF) connected to a central yellow sphere. To the right of the diagram is a vertical column of 8 asset icons. On the left side, there are three colored buttons with the numbers 30798, 20283, and 10136 TAC. At the bottom, a toolbar contains ten icons: TALK GROUP, DISPATCH GROUP, CHAT, BREAK, ALERT SIGNAL, LISTEN, AUDIO FUNCTIONS, MOVE, CONTROL, and CONFIG. A hand cursor is pointing at the BREAK icon.

1. Select the Break Function to remove assets from the Monitor Column.

# The RIOS Graphical User Interface

## Using the Break Function

The screenshot displays the RIOS GUI interface. At the top, there is a row of asset icons including XTL VHF, XTL 606, APX 7/800, Radio, APX 6000, ICOM VHF, and Envoy. Below this is a grid of 12 mobile device icons. On the left side, there is a vertical column of three callout boxes with the numbers 30798, 20283, and 10136 TAC. In the center, a network diagram shows three radio assets (APX 6000, Envoy, and ICOM VHF) connected to a central yellow sphere, with a callout box labeled "3 Radios in a Patch". On the right side, there is a grid of asset icons including ICOM VHF, Radio, APX 6000, ManPack, APX 7/800, and Envoy, with a hand cursor pointing at the APX 6000 icon. At the bottom, there is a row of control buttons including a network icon, a power icon, a "BREAK" button (highlighted in blue), a signal icon, a "STOP" button, a speaker icon, a "GO" button, a "CALL" button, and an "EXIT" button.

30798

20283

10136  
TAC

2. Select the assets to be removed from the Monitor Column.

3 Radios in a Patch

BREAK

EXIT

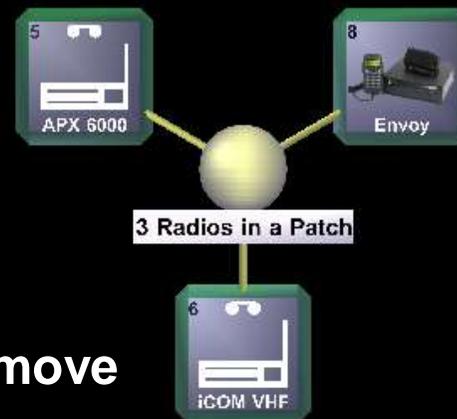
# The RIOS Graphical User Interface

## Using the Break Function

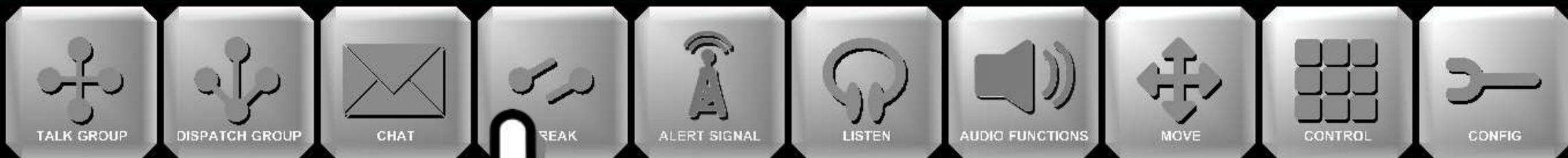
3. Select the Break Function to confirm.

# The RIOS Graphical User Interface

## Using the Break Function



1. Select the Break Function to remove the patch.



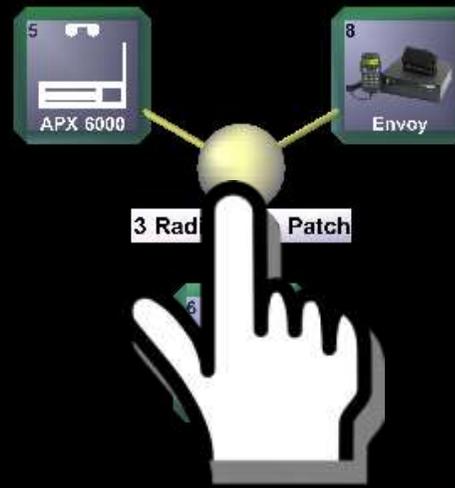
# The RIOS Graphical User Interface

## Using the Break Function



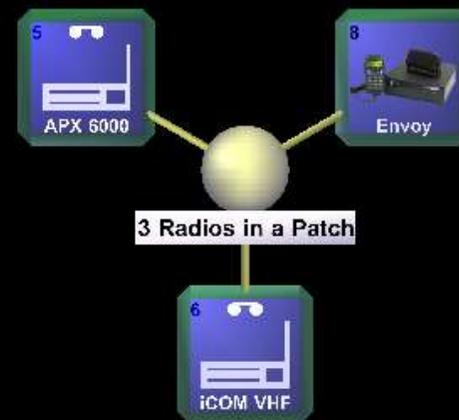
- 30798
- 20283
- 10136 TAC

2. Select the center node of the patch to be removed.



# The RIOS Graphical User Interface

## Using the Break Function



3. Select the Break Function to confirm the break.

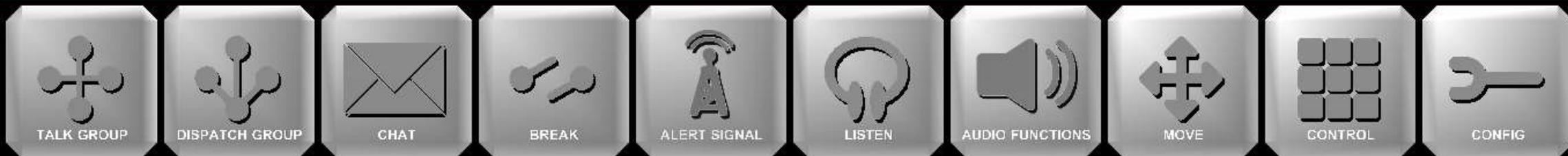


# The RIOS Graphical User Interface

## Using the Break Function



**RIOS is now returned to its original state.**

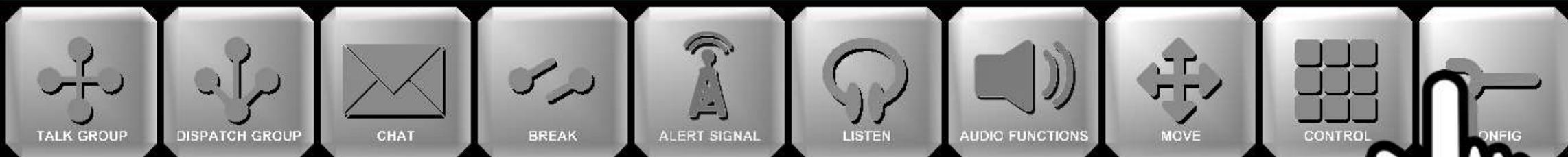


# The RIOS Graphical User Interface

## Loading a Preset



1. Select the Configuration Function to load a preset.

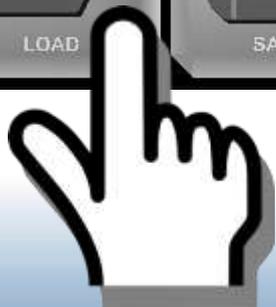


# The RIOS Graphical User Interface

## Loading a Preset



2. Select Load.



# The RIOS Graphical User Interface

## Loading a Preset



Load Preset

Talkgroup with 3 Radios

3. Available Presets will be shown.  
Select the folder icon to load the Preset.



# The RIOS Graphical User Interface

## Loading a Preset

The screenshot displays the RIOS Graphical User Interface. At the top, there is a grid of 22 radio asset icons, numbered 1 through 22. The assets are: 1 XTL VHF, 2 XTL 800, 3 APX 7/800, 4 Radio, 5 APX 6000, 6 ICOM VHF, 7 ManPack, 8 Envoy, 9 Server, 10 Computer, 11 Axis 1031, 12 Alpha, 13 Bravo, 14 Charlie, 15 Delta, 16 Echo, 17 Foxtrot, 18 Golf, 19 Hotel, 20 India, 21 Juliet, and 22 Aaron.

In the center, a patch diagram shows three radio assets (5 APX 6000, 8 Envoy, and 6 ICOM VHF) connected to a central yellow sphere. Below the sphere is a label that reads "3 Radios in a Patch".

On the left side, there is a vertical column of three call sign buttons: 30798 (blue), 20283 (orange), and 10136 TAC (green with a house icon).

On the right side, there is a vertical column of eight radio asset icons, numbered 4 through 8, which are highlighted with a green border. These are: 6 ICOM VHF, 4 Radio, 1 XTL VHF, 5 APX 6000, 2 XTL 800, 7 ManPack, 3 APX 7/800, and 8 Envoy.

At the bottom, there is a horizontal row of ten function buttons: TALK GROUP, DISPATCH GROUP, CHAT, BREAK, ALERT SIGNAL, LISTEN, AUDIO FUNCTIONS, MOVE, CONTROL, and CONFIG.

**The preset condition is loaded with the corresponding patch and assets in the Monitor Column.**