Nova Talk

USER GUIDE
Nova Talk for Android

Authors: Novatek DMI Inc.
Revision: 1.3
Last Revision Date: 1/20/2016 5:28:39 PM
Filename: Nova Talk_User_Guide_Android.docx
## Document History

<table>
<thead>
<tr>
<th>Date</th>
<th>Version</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 31, 2013</td>
<td>1.0</td>
<td>Initial Release</td>
</tr>
<tr>
<td>January 2, 2014</td>
<td>1.1</td>
<td>Minor Additions</td>
</tr>
<tr>
<td>March 7, 2014</td>
<td>1.2</td>
<td>Added Open Source Disclosure</td>
</tr>
<tr>
<td>January 19, 2016</td>
<td>1.3</td>
<td>Updates for Nova Talk version 19.1</td>
</tr>
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Section 5: Operating Options & List Management

Contact Management through smartphone device

- Call Talker Override/Preemption
- Group Member List

Do Not Disturb (DnD)

- Global DnD
- Group DnD (Block Calls from Selective Groups)
- Contact DnD (Block Calls from Selective Contacts)

Group Member List

Late Join / Re-Join

Talker Override/Preemption

Call Override Based on User and Group Priority

- Call Override on 1:1 and Adhoc Calls
- Call Override on Group Calls (by calling individual user(s))
- Call Override on Group Calls (by calling Group)

Contact Management through smartphone device

Contact & Group Management – Single Contact

- Contact Info: Display Contact’s Name & Phone Number
- Start an Nova Talk Alert Call
- Send Nova Talk 1:1 Message
- Start regular phone call with Contact
- Display Selected Contact’s Location on Map
- Block incoming calls from Selected Contact
- Create New Group with Selected Contact
- Add Select Contact to Existing Group
- Remove Selected Contact from Contact List

Contact & Group Management – Multiple Contacts

- Send Nova Talk Adhoc Message
- Display Selected Contact Locations on Map
- Create New Group with Selected Contacts
- Add Selected Contacts to Existing Group
- Remove Selected Contacts from Contact List
Group Management through smartphone device

Group Management

View Group Info: Display Group Members and their Presence Status

Send Nova Talk Group Message

Display Group Member’s Location on Map

Block incoming calls from selected Group

Hide Group from Group List

Remove self from selected Group

Delete Group (appropriate permissions are required)

Menu Management through smartphone device

Contact List Menu

Find Contact for Contact List Addition

Enable/Disable Do Not Disturb (DnD)

Go On/Off Duty

View About Box

View Settings Menu

Group List Menu

Find a Group to Join

Create a New Personal or Member Group

Enable/Disable Do Not Disturb (DnD)

Go On/Off Duty

View About Box

View Settings Menu

Section 6: Device Settings

Nova Talk Application Settings

Select Call Priority (PTT, Voice Call, Call by Call)

Foreground Nova Talk on Incoming Call (Option)

Activate DnD when device is pit in Silent Mode (Option)

Activate DnD when device is pit in Vibrate Mode (Option)

Start Call with Speaker (Option)

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Use whole screen as PTT Button while In-Call (Option)

Hide Tabs while In-Call (Option)

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Section 1: Product Overview

Nova Talk Sales & Support

Contact for Nova Talk Sales and Support via:

**Product Information:** http://www.novatekint.com

Email Sales: michellem@novatekint.com

Email Support: support@novatekint.com

Phone Support (Toll Free): 1844.298.8833

Phone Support (Local): 514.862.6581

Core Features

- The Nova Talk solution provides a reliable full featured 4G instant communication service that includes three core areas of operation:
  - Push to Talk (PTT) Voice
  - Secure Group Messaging (Text and Images)
  - Location tracking and Mapping

- The Nova Talk platform includes support for the following device types and peripherals:
  - Smartphone Devices
  - Basic Phone Devices
  - PC Based Dispatch Client
  - Land Mobile Radio (LMR) Gateway
**Nova Talk on Android Phones and Tablets**

The Nova Talk User Interface is designed as a Tabbed structure, including "Contacts", "Groups", "Messages", "Map" and "Recent Calls". Within each Tab, there are context sensitive menus which are invoked by long pressing on items within the Tab. Samples of the main tabs and other common screens are shown below.

### Contacts Tab

- Arbaugh, Barry
- Bailey, Greg
- Bartley, Kevin
- Blasco, Bob
- Brooks, Larry
- Childs, Dennis
- Clevenger, Frank
- Croft, Jim
- Edison, Anthony
- Epling, Todd
- Gardner, Charles

### Groups Tab

- Alert, All Users
  - Enterprise Group
- Surveillance, Alpha
  - Enterprise Group
- Surveillance, Bravo
  - Enterprise Group
- Surveillance, Charlie
  - Enterprise Group
- West Area, Staff
  - Personal Group

### Map Tab

In-Call List

- Call Idle
  - Bailey, Greg
  - Blasco, Bob
  - Childs, Dennis
  - Croft, Jim
  - Edison, Anthony
  - Gardner, Charles

- Transmitting
  - Bailey, Greg
  - Blasco, Bob
  - Childs, Dennis
  - Croft, Jim
  - Edison, Anthony
  - Gardner, Charles

- Receiving
  - Bailey, Greg
  - Blasco, Bob
  - Childs, Dennis
  - Croft, Jim
  - Edison, Anthony
  - Gardner, Charles
Use of Android Navigation Drawer (available in Nova Talk V19.1)

Nova Talk has been updated to take advantage of newer Android User Interface features and behaviors. We have maintained the ability to keep the Nova Talk legacy Tab Bar which is enabled by default. Users wishing to switch to exclusively use the new Android “Navigation Drawer” interface can remove their Tab Bar in the Nova Talk Settings Menu. Changing Nova Talk screens with the Navigation Drawer press the Icon (three bars) and then select the desired screen.

Legacy View with Tabs (Default)

Nova Talk without Tab Bar
Navigation Drawer changes screens

Select Settings from Menu
Check “Hide Tabs”

Select Nova Talk Screen

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**Android V2.0 Maps (available in Nova Talk V19.1)**

There are a number of new Map View options available in Nova Talk V19.1. Usefulness of new map view modes will depend on map zoom level. These options are highlighted at two different zoom view levels below. For detailed instructions on interactions with Google Maps, please watch this [video from Google](#).

<table>
<thead>
<tr>
<th>Two Finger Push</th>
<th>Two Finger Pull</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tilt Map into 3D</td>
<td>Tilt Map into 2D</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Two Finger Rotate</th>
<th>Double Tap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotate Map View</td>
<td>Zoom In</td>
</tr>
</tbody>
</table>

The Blue Dot represents your position. The shadow displays the GPS Error.

Tap the Compass to return the map to North-Up orientation.

Tap to re-center the map on you. This is useful after scrolling and zooming on the map.

Zoom in and out.

Nova Talk Contacts represented by Green Pins are available for Nova Talk PTT Calls.

Nova Talk Contacts represented by Red Pins are not available for Nova Talk PTT Calls.
Mid Elevation Map View

Default Vertical View

Tilt View (two finger push)

Map Menu Selector

Map Menu

Map Configure Menu

Map View Options

Terrain View

Satellite View

Hybrid View
Push To Talk

Push To Talk

Push To Talk

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High Elevation Map View

Default Vertical View

Terrain View

Satellite View

Hybrid View

Push To Talk

Push To Talk

Push To Talk

Push To Talk
Low Elevation Map View

Default Vertical View

Tilt View

Terrain View

Hybrid View

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Refreshing Nova Talk Screens

Nova Talk 19.1 and later support screen refresh via the Android “swipe down” gesture. Simply place your finger on the “Contacts List” or “Groups List” and pull down. This method replaces the Refresh Button previously found on the Nova Talk tab bar.

Swipe List Down for Refresh

![Swipe List Down for Refresh](image)
Group Types and Maximum List Sizes

Nova Talk supports a total of 1024 total entries per user. This is the total combination of Contacts, Groups and Group members allowed in the lists. These are the Nova Talk Group size limits:

- **Personal Groups (Group Size Limit is 250):**
  Personal Groups are created by a user and are only visible from the creator’s Group List. Only the creator may initiate a call to a Personal Group.

- **Member Groups (Group Size Limit is 250):**
  Member Groups are visible in all member’s Group Lists. Any member of the group may initiate a call to the group.

- **Enterprise Open Groups (Group Size Limit is 250):**
  Enterprise Open groups are available for any user to join. The owner/manager of the group may or may not be a participant in the group and there may be more than one Group Manager.

- **Enterprise Closed Groups (Group Size Limit is 250):**
  Enterprise Closed Groups may be created by any user, and Members may only be added by the owner/manager. The owner/manager of the group may or may not be a participant in the Group and there may be more than one Group Manager.

- **Enterprise Dispatch Groups (Group Size Limit is 250):**
  Enterprise Dispatch Groups have definable time of day/day of week shifts associated with them. The members of the group can change for each shift. Also, the owner/manager of the Group may or may not be a participant in the Group and there may be more than one Group Manager. Users with a Dispatch Group in their Group List need only to call the group and it will be routed to those members of the group that are on shift at the time.

- **Broadcast Groups (Group Size Limit is 60,000):**
  Broadcast Groups are used to deliver high priority messages. Broadcast Group calls are high priority unicast voice messages. Broadcast messages will re-try until all messages have been delivered. Additional information on Broadcast calls can be found in Section 1.10

- **Law Enforcement Surveillance Channel (Group Size Limit is 250):**
  Surveillance Channel Groups were created for use by Law Enforcement personnel whose typical profile requires long calls, that cannot be automatically ended after brief periods of inactivity.

- **Public Safety Unicast Channel (Group Size Limit is 250):**
  Unicast Channels provide a mean for Public Safety agencies to broadcast important audio feeds, such as NOAA Weather, Air Traffic Control, and any LMR network in a “monitor only” mode.

- **Adhoc Groups (Group Size Limit is 250):**
  Adhoc Groups are not pre-configured groups, but rather a selection of multiple Contacts from the Contact List. Once the Contacts are highlighted, the user presses the PTT button to establish a call.
**Nova Talk User and Group Presence**

Presence is supported for Individual Contacts and Groups.

- Group Presence is used to indicate whether a PTT Group call is available for Late Join.
- Contact Presence is used for individuals and follows the Microsoft Communicator Presence Color Codes.

### Contact List Presence
- **Contact is Available**
- **Contact is on other PTT Call**
- **Contact is in Do Not Disturb (DnD) Mode**
- **Contact is in Silent Mode**
- **Contact has Signed Out of NovaTalk**
- **Contact’s device is off or out of coverage area**
- **Contact is Blocked**

### Group List Presence
- **Group - Not Active**
- **Group - Active in Call**
- **Blocked Group - Not Active**
- **Blocked Group - Active in Call**

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**Android Contact Presence**

![Android Contact Presence](image1)

**Android Group Presence**

![Android Group Presence](image2)
**Nova Talk Data Usage**

Nova Talk is a VoIP application that requires a Data Plan. As compared with other Video and Image communication applications, Nova Talk requires a minimal amount of data. Nova Talk uses a variable rate Voice CODEC technology so that improved voice quality can be delivered to users with better data service. Nova Talk data can be estimated as follows:

- **Monthly System Overhead:** 6MB

**Active PTT Talk Time (when voice is being broadcast on a PTT call):**

- Smartphone connected via 3G: 6MB per hour
- Smartphone connected via 4G: 8MB per hour
In Call Viewing Options

Once an Nova Talk call has been established, the user can view a ‘List View’ or ‘Map View’ of all Call participants. Both In-Call views provide an indication of which Call Member has the Floor. In the In-Call Map View, Location updating is in Real-Time.

**In-Call ‘List View’**
- All Call Participants are shown on the List
- Talking participant is indicated with the “Sound Wave” icon.

**In-Call ‘Map View’**
- All Call Participants with Location Enabled are shown on map
- Owner (self) is shown as Blue Dot
- Call participants are shown as Green Pins
- Talking participant is indicated with Purple Pin and Info Box
- In-Call Locations are updated every two seconds

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Android
In-Call List View

![Android In-Call List View](image)

- **Call Idle**
  - Bailey.Greg
  - Blasco.Bob
  - Childs.Dennis
  - Croft.Jim
  - Edison.Anthony
  - Gardner.Charles

- **Push To Talk**

Android
In-Call List View

![Android In-Call List View](image)

- **Transmitting**
  - Bailey.Greg
  - Blasco.Bob
  - Childs.Dennis
  - Croft.Jim
  - Edison.Anthony
  - Gardner.Charles

- **Release To Stop Talking**

Android
In-Call List View

![Android In-Call List View](image)

- **Floor Taken**

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**Section 2: Making PTT Calls with Nova Talk**

**Making 1:1 Barge Calls – Contact List Method**
In a 1:1 Barge Call, you select a single recipient from the Contacts List. Upon call connection, your initial voice burst will ‘Barge’ through to the recipient’s phone.

**Select Contact List**

**Select Contact**

**In Call ‘List View’**

### Starting a ‘Barge’ Call
- Select the Contacts Tab
- Select the desired Contact
- Press and hold the “Push To Talk” Button
- Upon hearing the Grant Tone, begin Speaking
- Release the “Push To Talk” Button when finished

### In-Call Operation
- All participants on the call are shown on the List
- Talking participant is indicated on the top Status Bar.
- To request the Floor, Press and hold the “Push To Talk” Button
- Upon hearing the Grant Tone, begin Speaking
- Release the “Push To Talk” Button when finished speaking
- To exit the call
  - Press the ‘Back’ Button, or
  - Press the ‘Menu’ Button and select ‘End Call’
Making 1:1 Barge Calls – Map View Method

In a 1:1 Barge Call, you select a single recipient from the Map View. Upon call connection, your initial voice burst will 'Barge' through to the recipient’s phone.

Select Map Tab
Select Contact
In Call ‘List View’

Starting a ‘Barge’ Call
- Select the Map Tab
- Select the desired Contact
- Press and hold the “Push To Talk” Button
- Upon hearing the Grant Tone, begin Speaking
- Release the “Push To Talk” Button when finished

In-Call Operation
- All participants on the call are shown on the List
- Talking participant is indicated on the top Status Bar.
- To request the Floor, Press and hold the “Push To Talk” Button
- Upon hearing the Grant Tone, begin Speaking
- Release the “Push To Talk” Button when finished speaking
- To exit the call
  - Press the ‘Back’ Button, or
  - Press the ‘Menu’ Button and select ‘End Call’
Making Adhoc Barge Calls – Contact List Method

In an Adhoc Barge Call, you select up to 255 recipients from the Contacts List. Upon call connection, your initial voice burst will ‘Barge’ through to the recipient's phones.

Starting a ‘Barge’ Call

- Select the Contacts Tab
- Select the desired Contacts
- Press and hold the “Push To Talk” Button
- Upon hearing the Grant Tone, begin Speaking
- Release the “Push To Talk” Button when finished

In-Call Operation

- All participants on the call are shown on the List
- Talking participant is indicated on the top Status Bar.
- To request the Floor, Press and hold the “Push To Talk” Button
- Upon hearing the Grant Tone, begin Speaking
- Release the “Push To Talk” Button when finished speaking
- To exit the call
  - Press the ‘Back’ Button, or
  - Press the ‘Menu’ Button and select ‘End Call’
Making Adhoc Barge Calls – Map View Method

In an Adhoc Barge Call, you select recipients by scrolling and zooming on the Map View. All Contacts displayed on the Map will be recipients to the call. Upon call connection, your initial voice burst will ‘Barge’ through to the recipient’s phones.

Select Contact List

Scroll & Zoom to Select Contacts

In Call ‘List View’

Starting a ‘Barge’ Call

• Select the Map Tab
• Scroll and zoom to an area that includes desired Contacts
• Press and hold the “Push To Talk” Button
• Upon hearing the Grant Tone, begin Speaking
• Release the “Push To Talk” Button when finished

In-Call Operation

• All participants on the call are shown on the List
• Talking participant is indicated on the top Status Bar.
• To request the Floor, Press and hold the “Push To Talk” Button
• Upon hearing the Grant Tone, begin Speaking
• Release the “Push To Talk” Button when finished speaking
• To exit the call
  • Press the ‘Back’ Button, or
  • Press the ‘Menu’ Button and select ‘End Call’
Making 1:1 Alert Calls – Contact List Method
Nova Talk supports 1:1 Alert Calls, giving an option for non-critical communication Alerting the recipient rather than Barging in on the recipient. Alert Calls can be initiated from the Contact List or the Map Screen.
**Starting an ‘Alert’ Call**
- Select the Contacts Tab
- Press and hold the Contact for one second to get the Secondary Menu
- Select ‘Nova Talk Alert Call’ and wait for the Contact to answer

**Waiting for ‘Alert’ Response**
- While waiting for a Response, you can Cancel the Alert Call
- Once your Contact accepts, you will be placed into Call

**Non-Response on ‘Alert’ Call**
- You will be notified when your Contact is unavailable, or
- When your Contact cannot accept your call
- The Caller has the option to send an Nova Talk Text Message

**In-Call Operation**
- All participants on the call are shown on the List
- Talking participant is indicated on the top Status Bar.
- To request the Floor, Press and hold the “Push To Talk” Button
- Upon hearing the Grant Tone, begin Speaking
- Release the “Push To Talk” Button when finished speaking
- To exit the call
  - Press the ‘Back’ Button, or
  - Press the ‘Menu’ Button and select ‘End Call’
Making 1:1 Alert Calls – Map View Method
Nova Talk supports 1:1 Alert Calls, giving an option for non-critical communication Alerting the recipient rather than Barging in on the recipient. Alert Calls can be initiated from the Contact List or the Map Screen.

Select & Tap Contact
Long Press Info Box
Select Alert Call

Wait for Answer
No Response Menu
In Call ‘List View’
Starting an ‘Alert’ Call
• Select the Maps Tab
• Select the Contact by pressing the Pin
• Press and hold the Contact Info Box for one second to get the Secondary Menu
• Select ‘Nova Talk Alert Call’ and wait for the Contact to answer

Waiting for ‘Alert’ Response
• While waiting for a Response, you can Cancel the Alert Call
• Once your Contact accepts, you will be placed into Call

Non-Response on ‘Alert’ Call
• You will be notified when your Contact is unavailable, or
• When your Contact cannot accept your call
• The Caller has the option to send an Nova Talk Text Message

In-Call Operation
• All participants on the call are shown on the List
• Talking participant is indicated on the top Status Bar.
• To request the Floor, Press and hold the “Push To Talk” Button
• Upon hearing the Grant Tone, begin Speaking
• Release the “Push To Talk” Button when finished speaking
• To exit the call
  • Press the ‘Back’ Button, or
  • Press the ‘Menu’ Button and select ‘End Call’
Making Group Barge Calls

In a Group Barge Call, you select a Group from the Group List. Upon call connection, your initial voice burst will 'Barge' through to the recipient’s phone.

Select Group List

Select Group & Press PTT

In Call ‘List View’

Starting a ‘Barge’ Call

- Select the Groups Tab
- Select the desired Group
- Press and hold the “Push To Talk” Button
- Upon hearing the Grant Tone, begin Speaking
- Release the “Push To Talk” Button when finished

In-Call Operation

- All participants on the call are shown on the List
- Talking participant is indicated on the top Status Bar.
- To request the Floor, Press and hold the “Push To Talk” Button
- Upon hearing the Grant Tone, begin Speaking
- Release the “Push To Talk” Button when finished speaking
- To exit the call
  - Press the ‘Back’ Button, or
  - Press the ‘Menu’ Button and select ‘End Call’
Section 3: Sending Messages with Nova Talk

1:1 Text & Image Messaging

- Select a Contact from the Contact List.
- Long Press to activate the Secondary Menu
- Select Send Message
- Enter Message Text
- Add existing Image by pressing the Paper Clip Icon (optional)
- Take new Image by pressing the Camera Icon (optional)
- Press “Send Message”
Adhoc Text & Image Messaging

- Select multiple Contacts from the Contact List.
- Long Press to activate the Secondary Menu
- Select Send Message
- Enter Message Text
- Add existing Image by pressing the Paper Clip Icon (optional)
- Take new Image by pressing the Camera Icon (optional)
- Press “Send Message”
Group Text & Image Messaging

- Select a Group from the Group List.
- Long Press to activate the Secondary Menu
- Select Send Message
- Enter Message Text
- Add existing Image by pressing the Paper Clip Icon (optional)
- Take new Image by pressing the Camera Icon (optional)
- Press “Send Message”
**Integrated Text & Image Messaging**

Integrated Instant Group Image Messages can be sent in several ways via Nova Talk. An image message can be initiated in the same way a text message can be initiated (see above).

An image message can also be initiated via the Share Menu from the device's integrated photo album.
Viewing & Responding to Messages

Messages can be opened for viewing by pressing the Message Header for one second.

Message response options include:

- View Message
- Respond to Sender Only
- Respond to All
- Delete Message
Page Intentionally Left Blank
Section 4: Location Based Services

Nova Talk offers multiple options for Location Tracking and Mapping services.

Live Tracking Mode

Sending Location Information
Enterprise administrators have the following options available when configuring the sending of Live Location Information.

Administrator Controlled
Administrators can hard code Location information to be ON or OFF, without giving individual users the ability to change settings.

User Controlled (Android Only)
This mode allows each individual user to select whether their device Location is made available.

Duty Mode
Duty Mode allows individuals to switch between “On Duty” and “Off Duty” modes. While users are “On Duty”, Location information is available, and while “Off Duty”, Location information is not available. While “Off Duty”, users are still available for Nova Talk Calls. If a user responds to an Nova Talk call, or starts an Nova Talk call they will be placed into “On Duty” mode.

Administrator Controlled

On-Duty Mode

Off-Duty Mode

Push To Talk

Push To Talk

Push To Talk
Displaying Location Information
Enterprise administrators have the following options available when configuring the displaying of Live Location Information.

Map Display Enabled
In this mode, smartphone devices will have a Map Tab available for viewing location of other Nova Talk Contacts. This mode also enables the viewing of live location while In-Call.

Map Display Disabled
In this mode, the Map Tab is not available to the user. Additionally, In-Call location display is disabled.
Map Display Enabled

Map Display Disabled
**Viewing Pre-Call Location Information**

Users with Live Tracking Enabled and Map View privileges are able to view Location and Presence information for all Contacts. Location information is updated every four minutes, and users can request more frequent updates by pressing the Refresh button on the Map Tab.

**Pre-Call ‘Map View’**

- Contacts with Location Enabled are shown on map
- Owner (self) is shown as Blue Dot
- Contacts are shown with same Presence Indications as on Contacts Screen
- Pre-Call Locations are updated every four minutes
- More frequent updates are available by pressing the Refresh Button

**Android Pre-Call Map View**
**Viewing Live In-Call Location Information**

Users with Live Tracking Enabled and Map View privileges are able to view Real-Time Location information for all In-Call participants. Location information is updated every two seconds and provides a powerful tool for surveillance and other like operations.

**In-Call ‘Map View’**

- All Call Participants with Location Enabled are shown on map
- Caller is shown as Blue Dot
- Call participants are shown as Green Pins
- Talking participant is indicated with Purple Pin and Info Box
- In-Call Locations are updated every two seconds

![Android In-Call Map View](image)
Historical (Bread Crumb) Tracking Mode

Sending Historical Location Information
When Historical Tracking is enabled, the following configuration options are available.

Bread Crumb Interval
This is the Interval for saving GPS position Bread Crumbs. Interval can be set from 30 Seconds to 4.5 Minutes.

Upload Interval
This is the Interval that determines how often the saved Bread Crumbs are uploaded to the server. Interval can be set from 5 Minutes to 12 Minutes.

Viewing Historical Location Information
Bread Crumbs tracks can be viewed using the Nova Talk web portal. Administrators can overlay Bread Crumbs for up to ten users simultaneously. Information included with each Bread Crumb includes:
- Date/Time Stamp
- Coordinates
- Speed
- Direction
Section 5: Operating Options & List Management

Do Not Disturb (DnD)

Global DnD

Nova Talk supports Global DnD that prevents all PTT calls from being received. Global DnD Mode can be manually activated by the User by selecting the DnD menu item. Users are able to see that they are in DnD mode by viewing the Nova Talk Icon in the smartphone notification bar.

![Normal Mode](image1)

![DnD Mode](image2)

![DnD Configuration](image3)
Group DnD (Block Calls from Selective Groups)
This feature allows a user to selectively disable the reception of calls from any group. To enable the feature the user either long-presses on a group and selects the ‘Group DnD’ option in the context menu, or the user selects the group, presses the menu button, and selects ‘Group DnD’ in the options menu. When a group is enabled with the ‘Group DnD’ feature the icon of the group changes to visually indicate that the reception of calls from the affected group is disabled (see icon below). To re-enable the reception of calls from the group the user must use either the context menu or options menu to toggle the ‘Group DnD’ feature off.

Contact DnD (Block Calls from Selective Contacts)
This feature allows a user to selectively disable the reception of calls from any individual contact. To enable this feature the user either long-presses on a contact and selects the 'Block Calls from <username>' option in the context menu, or the user selects the group, presses the menu button, and selects 'Block Calls from <username>' in the options menu. When an individual contact is enabled with the 'Block Calls' feature the icon of the individual contact changes to visually indicate that the reception of calls from the affected contact is disabled (see icon below). To re-enable the reception of calls from the individual contact the user must use either the context menu or options menu to toggle the 'Block Calls' feature off.
Group Member List

Via Group Presence, the User can query the Group prior to making the Group Call. The user is presented with the list of Group Members and an up-to-date Presence indication for each member.

- **Long Press on desired Group**
- **Select the View Group Option**
- **Presence for Members**
**Late Join / Re-Join**

Nova Talk supports Late Join/Re-Join on Group Calls. To provide users with a better experience, Nova Talk also provides a Group Presence indication to specify which Group calls are active and available for Late Join/Re-Join.

- **Group Not Active**
- **Group Active – Available for Late Join/Re Join**
- **Group Blocked – Not Active**
- **Group Blocked – Active – Available for Late Join/Re Join**
**Talker Override/Preemption**

Nova Talk supports the talker priority feature with the following group types (Enterprise Open, Enterprise Closed, Dispatch). When configuring a group via the Web Portal there is a Priority column with a check box. When checked, the indicated user has priority over the non-checked users. While in call when a priority user presses the PTT button to talk and a non-priority user currently has the floor the non-priority user will be revoked and the floor granted to the priority user. Priority users are treated on a first come first serve basis when multiple priority users request the floor.

The Broadcast group supports a preemption feature. Whenever a Broadcast call is made it will preempt every other call the members of the broadcast group are currently participating in. Once the user has heard the broadcast message, he/she can make other Nova Talk calls again.

**Call Override Based on User and Group Priority**

Every Nova Talk User has an assigned Priority Level between 1 (lowest) and 5 (highest). Nova Talk supports call override on 1:1, Adhoc and Group Calls.

**Call Override on 1:1 and Adhoc Calls**

Adhoc and 1:1 calls can be overridden by a User or a Group with a higher priority than the members of the 1:1 Call.

**Call Override on Group Calls (by calling individual user(s))**

Members of an ongoing Group Call can be taken out of the Group Call and put into a new 1:1 or Adhoc call if the Calling Party has a Priority higher than the Group Call. In this case, the Group call will continue with the remaining members.

**Call Override on Group Calls (by calling Group)**

Members of an ongoing Group Call can be taken out of the Group Call and put into a new Group Call if the New Group has a Priority higher than the ongoing Group Call. In this case, the ongoing Group call will continue with the remaining members.
Contact Management through smartphone device

Nova Talk provides the ability to manage most Contact and Group Functions via the smartphone device. These include, Add Contact, Remove Contact, Add Contact to Group, Create New Group, Hide Group, Delete Group, View Contact(s) or Groups on Map, etc. Contact Management on the device is performed through the device’s native UI behavior such as using the Menu key or via 'Long Press' on a Contact or Group.

Contact & Group Management – Single Contact

Available actions for Single Contact Management include:

Contact Info: Display Contact’s Name & Phone Number

Start an Nova Talk Alert Call

Send Nova Talk 1:1 Message

Start regular phone call with Contact

Display Selected Contact’s Location on Map

Block incoming calls from Selected Contact

Create New Group with Selected Contact

Add Select Contact to Existing Group

Remove Selected Contact from Contact List
Contact & Group Management – Multiple Contacts

Available actions for Multi-Contact Management include:

Send Nova Talk Adhoc Message

Display Selected Contact Locations on Map

Create New Group with Selected Contacts

Add Selected Contacts to Existing Group

Remove Selected Contacts from Contact List
**Group Management through smartphone device**

Nova Talk provides the ability to manage most Contact and Group Functions via the smartphone device. These include, Add Contact, Remove Contact, Add Contact to Group, Create New Group, Hide Group, Delete Group, View Contact(s) or Groups on Map, etc. Contact Management on the device is performed through the device’s native UI behavior such as using the Menu key or via 'Long Press' on a Contact or Group.

**Group Management**

- **Select Group List**
  - Alert All Users
  - Surveillance Alpha
  - Surveillance Bravo
  - Surveillance Charlie
  - West Area Staff

- **Long Press Selected Group**
  - Alert All Users
  - Surveillance Alpha
  - Surveillance Bravo
  - Surveillance Charlie
  - West Area Staff

- **Group Secondary Menu**
  - View Group
  - Send Message
  - Show on Map
  - Block Calls
  - Hide Group
  - Remove Group

**Available actions for Group Management include:**

- **View Group Info:** Display Group Members and their Presence Status
- **Send Nova Talk Group Message**
- **Display Group Member’s Location on Map**
- **Block incoming calls from selected Group**
- **Hide Group from Group List**
- **Remove self from selected Group**
- **Delete Group (appropriate permissions are required)**
**Menu Management through smartphone device**

Nova Talk provides the ability to manage most Contact and Group Functions via the smartphone device. These include, Add Contact, Remove Contact, Add Contact to Group, Create New Group, Hide Group, Delete Group, View Contact(s) or Groups on Map, etc. Contact Management on the device is performed through the device’s native UI behavior such as using the Menu key or via 'Long Press' on a Contact or Group.

**Contact List Menu**

Available actions from the Contact List Menu include:

- **Find Contact for Contact List Addition**
- **Enable/Disable Do Not Disturb (DnD)**
- **Go On/Off Duty**
- **View About Box**
- **View Settings Menu**
Available actions for Group Management include:

Find a Group to Join

Create a New Personal or Member Group

Enable/Disable Do Not Disturb (DnD)

Go On/Off Duty

View About Box

View Settings Menu
Section 6: Device Settings

Nova Talk Application Settings

Settings Page 1
- Call Priority
  Set priority of ESChat call vs. voice calls.
- Foreground Nova Talk
  Will bring ESChat to the foreground automatically when an incoming ESChat call is received.
- Activate DnD in Silent Mode
  Will automatically activate DoNotDisturb when the phone is put into silent mode.
- Activate DnD in Vibrate Mode
  Will automatically activate DoNotDisturb when the phone is put into vibrate mode.
- Start Call with Speakerphone
  If enabled calls start with speakerphone enabled, otherwise the earpiece is used.
- Disable Onscreen PTT
  Hides the onscreen PTT button to give more screen space when another PTT key is used.
- Use Whole Screen as PTT
  While in call the entire screen will act as the PTT button.

Settings Page 2
- Hicci Tabs
  Hide the tab bar and use the navigation drawer only.
- Push to Talk Toggle
  Causes the Push to Talk button to behave as a toggle on/off rather than a push and hold.
- Notify for All Missed Calls
  While the app is hidden, issue a notification on every missed call or only the first one.
- Missed Call Endless Alert
  Play repeating alert on missed call.
- Alert Call Ring Time
  The time, in seconds, to ring when receiving an alert call.
- Notify for All New Messages
  While the app is hidden, issue a notification on every new message or only the first one.
- New Message Alert
  Set the alert to use when a new message is received.

Settings Page 3
- New Message Alert Time
  Set the alerting time to use when a new message is received. (New Message Alert ringtone must not be Default.)
- Enable Surveillance Call
  Turn the screen brightness and display as full screen when in a call.
- Surveillance Call Brightness
  Screen brightness while in call and Enable Surveillance Call is enabled. A higher value is brighter.
- Allow Bluetooth Audio
  Use a connected Bluetooth headset for call audio. This does not affect Bluetooth PTT key operation.
- Default Callee
  Set the default contact or group to call while ESChat is in the background, or while it is in the foreground and no contact/group is selected.
- Default Sound Profile
- Headset Sound Profile

Select Call Priority (PTT, Voice Call, Call by Call)
- Foreground Nova Talk on Incoming Call (Option)
- Activate DnD when device is put in Silent Mode (Option)
- Activate DnD when device is put in Vibrate Mode (Option)
- Start Call with Speaker (Option)
- Disable Onscreen PTT Button (Option)
- Use whole screen as PTT Button while In-Call (Option)
- Hide Tabs while In-Call (Option)
- Enable PTT Toggle Mode (Option)
- Notify for All Missed Calls
- Enable Endless Missed Call Alerts (Option)
- Set Alert Call Ring Time Duration
- Notify for All New Messages
- New Message Alert Sound
- New Message Alert Time
- Enable Surveillance Call Mode & Screen Brightness (Option)
- Enable Bluetooth Audio
- Set Default Callee
- Edit Default (Speaker) Sound Profile
- Edit Headset Sound Profile

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Nova Talk Sound Profile Settings

Set In-Call Volume

Set to Ring on Incoming PTT Call (Option)

Set to Vibrate on Incoming PTT Call (Option)

Play Floor Grant Tone (Option)

Vibrate on Floor Grant (Option)

Play Floor Taken Tone (Option)

Play Floor Idle Tone (Option)

Play Floor Deny Tone (Option)

Play Floor Revoke Tone (Option)

Play Call Lost Tone (Option)
User Account Information

Sending Debug Log Files to Support

Debug files can be sent to Nova Talk Support by accessing the About Screen and Pressing Menu. When sending Debug files, please include a description of the issue for which you are sending the file.
To install and activate Nova Talk on all Android Devices

Step 1:
Open SMS or email and click Provision Link

Step 2:
Click Download Nova Talk

Step 3:
Download Nova Talk from the Play Store. Wait for install to complete before proceeding.

Step 4:
Return to installation link and click Sign in to Nova Talk

Step 5:
You’re done.
Update Nova Talk Manually via the Google Play Store

To update existing Nova Talk installations on your Android Device

Step 1: Open the Google Play Store and search for Nova Talk. Select “Update”

Step 2: Acknowledge Permissions.

Step 3: Wait for Installation to Complete.

Step 4: Open Nova Talk.
Configure Android to Auto Update Nova Talk

To configure Nova Talk for Automatic Updates

Step 1: Open the Google Play Store and select the “Menu” button.

Step 2: Select Settings.

Step 3: Wait for Install to Complete.

Step 4: Open Nova Talk.
Section 8: Open Source Software Disclosure

OpenSSL

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