

Configuring Signaling Parameters in C-Soft for iDEN/PSTN Operation



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Configuring Signaling Parameters in C-Soft for iDEN/PSTN Operation

1.0 General

This application note is intended to assist technical staff with C-Soft Signaling Parameters configuration to support DTMF dialing for iDEN and PSTN operation with a call list button.

2.0 Configuring CSoftDesigner

2.1 Create Call List Buttons

Manual call list buttons are used by the console operator to manually call phone numbers and iDEN users. Call list buttons are used to call phone numbers and iDEN users from a list of known user iDs.

To **create a UI Button**, do the following:

1. Open **CsoftDesigner**.
2. Load your **console design**.
3. Select **Insert|Add UI button** from the menu bar.

A None button appears on the console.

To create a **manual call list button**, do the following:

1. Create a **UI Button**.
A None button appears.
2. Right-click the **None** button.
3. From the shortcut menu, select **Properties**.
4. From the UI Element Function drop down menu, select **Manual Call List Window**.
5. Click **OK**.

The Manual Call List button is created.

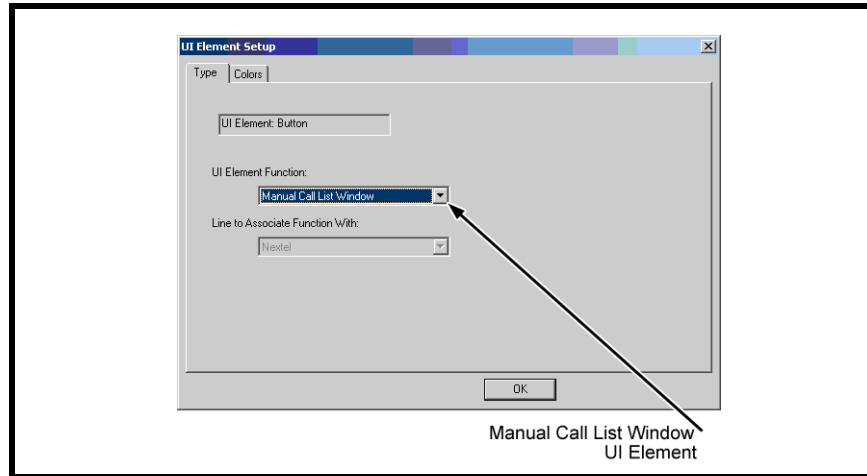


FIGURE 1. UI Element Setup Window—Manual Call List Window

To create a **call list button**, do the following:

1. Create a **UI Button**.
A None button appears.
2. Right-click the **None** button.
3. From the shortcut menu, select **Properties**.
4. From the UI Element Function drop down menu, select **Call List Window**.
5. Click **OK**.

The Call List button is created.

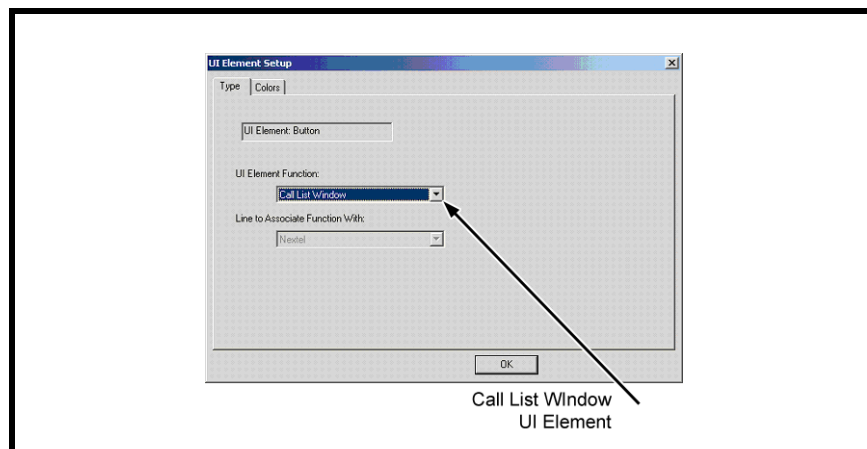


FIGURE 2. UI Element Window—Call List Window

2.2 Configure iDEN Per Line Parameters

Signaling parameters for all iDEN lines must be set up to use the call list feature. See Figure 4.

To **configure the parameters for iDEN lines**, do the following.

1. Select **Edit|Per Line Parameters Setup** from the menu bar.
2. Click **Signal Setup** for the iDEN line to configure.
The Signaling Parameters notebook appears. See Figure 3.
3. Click the **iDEN Setup** tab.
The iDEN Setup page appears.
4. In the Signaling Setup group box, enter **parameters** as follows:

Signaling Type drop down menu: DTMF.

Digit Duration: 100ms

Interdigit Duration: 50 ms.

Pause Duration: 150ms.

Preamble: 100

Level: -3

Twist Level: 0

5. In the **End Delay** field, enter 0 (ms)

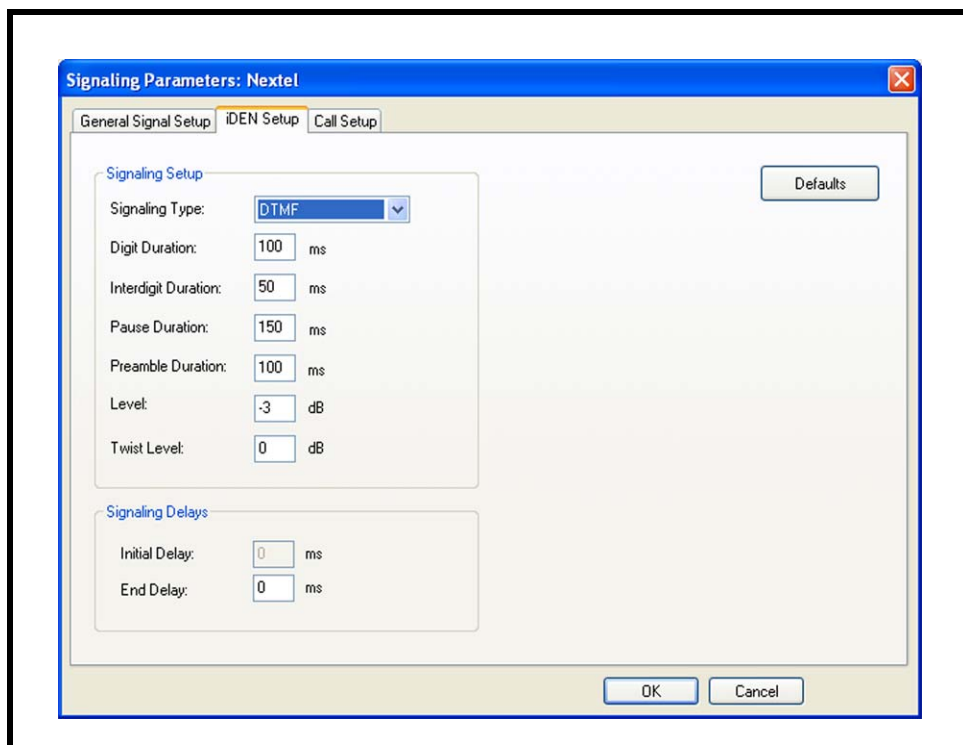


FIGURE 3. iDEN Setup Page

6. Click the **Call Setup** tab.

The Call Setup page appears. See Figure 4.

7. In the Call Setup group box Format fields, enter **parameters** as follows:

Call 1: KD

Call 2: KC

Call 3: KA

8. In the Call Setup group box, Label fields, enter **label names**:

For example:

Call 1: Direct Connect

Call 2: Group Call

Call 3: Alert

9. Click **OK**.

NOTE: *K* represents the command to insert the next character to the number entered in the Call List button.

EXAMPLE: The console operator clicks an Alert button, an *A* is added to the end of the entered User ID.

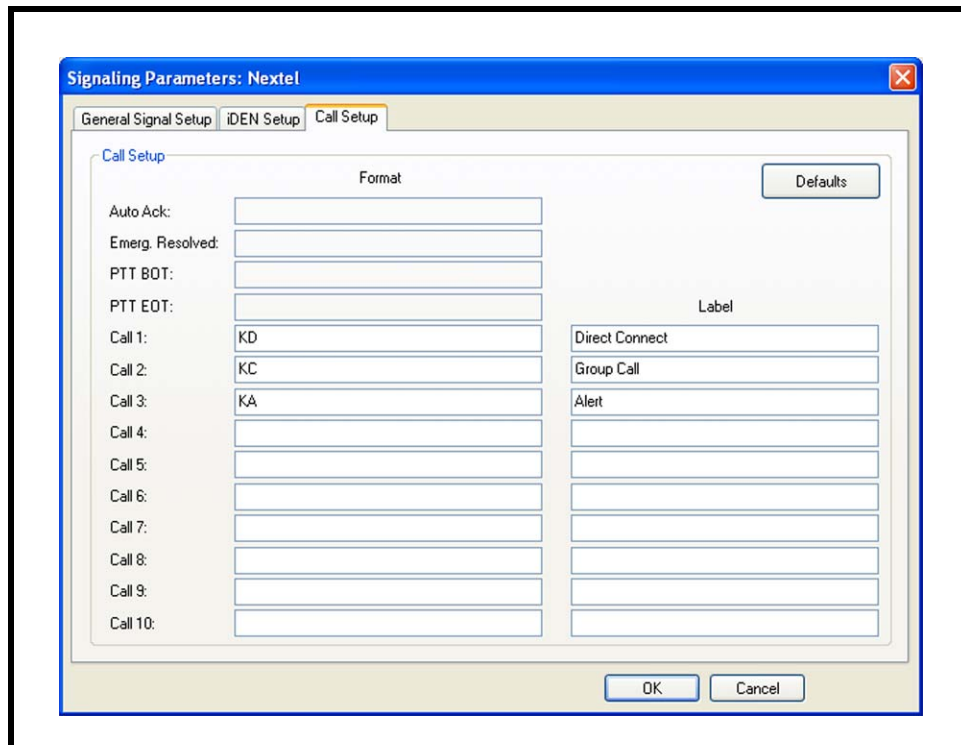


FIGURE 4. Signaling Parameters Window—iDEN

2.3 Configure TDI Per Line Parameters

Signaling parameters for all TDI lines must be set up to use the call list feature. See Figure 6.

To **configure TDI Per Line Parameters**, do the following:

1. Select **Edit|Per Line Parameters Setup** from the menu bar.
The Per Line Parameters window appears.
2. Click **Signal Setup** for the TDI line to configure.
The Signaling Parameters window appears.
3. Click the **Phone Setup** tab.
The Phone Setup page appears.
4. In the Signal Setup Group Box, enter **parameters** as follows:

Signaling Type drop down menu: DTMF

Digit Duration: 100ms

Interdigit Duration: 50 ms.

Pause Duration: 150ms.

Preamble: 100

Level: -3

Twist Level: 0

5. In the Signaling Delays group box, enter the following **parameters**:

In the Initial Delay field, enter 750 (ms).

In the End Delay field, enter 0 (ms).

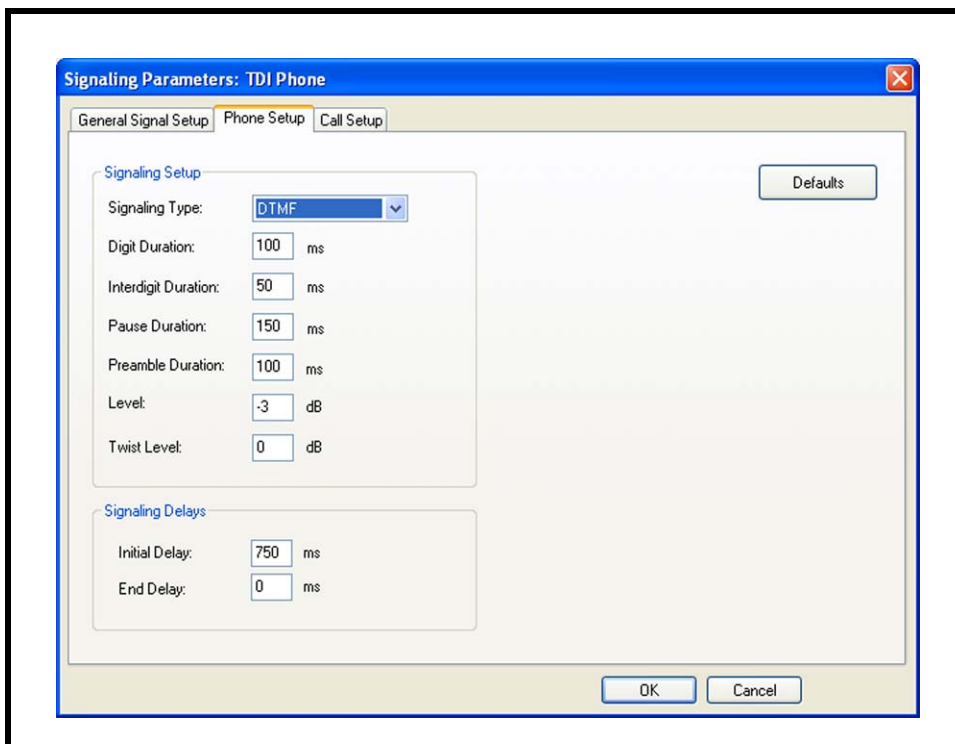


FIGURE 5. Phone Setup Page

6. Click the **Call Setup** tab.
The Call Setup page appears. See Figure 6.
7. In the Call Setup group box Format fields, enter **parameters** as follows:
 - Call 1: *K*
 - Call 2: *9K*
 - Call 3: *91K*
8. In the Call Setup group box, Label fields, enter **label names**:
 - For example:
 - Call 1: Dial
 - Call 2: Dial Out
 - Call 3: Dial Long Distance
9. Click **OK**.

NOTE: *P* represents the command to add a pause duration to the number entered in the Call List button.

EXAMPLE: The console operator clicks a *Dial Out* button, the digit 9 and a two (2) second pause are added to the beginning of the entered or selected User ID. A **PBX** (Private Branch Exchange) outside line is accessed.

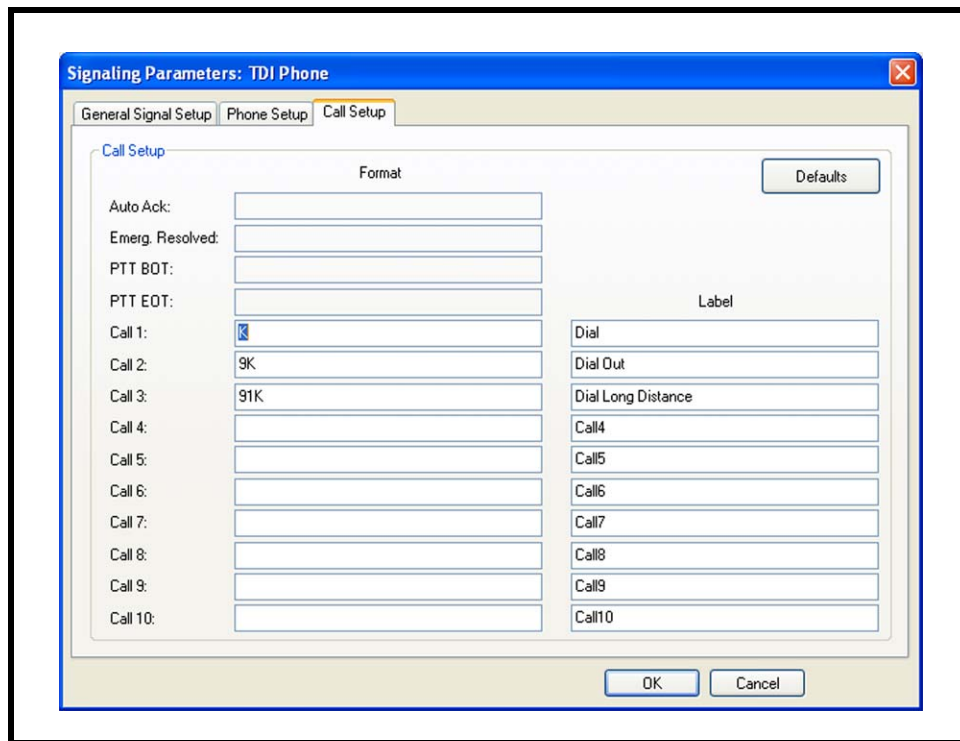


FIGURE 6. Call Setup Page

3.0 C-Soft Console Call List Window Operation

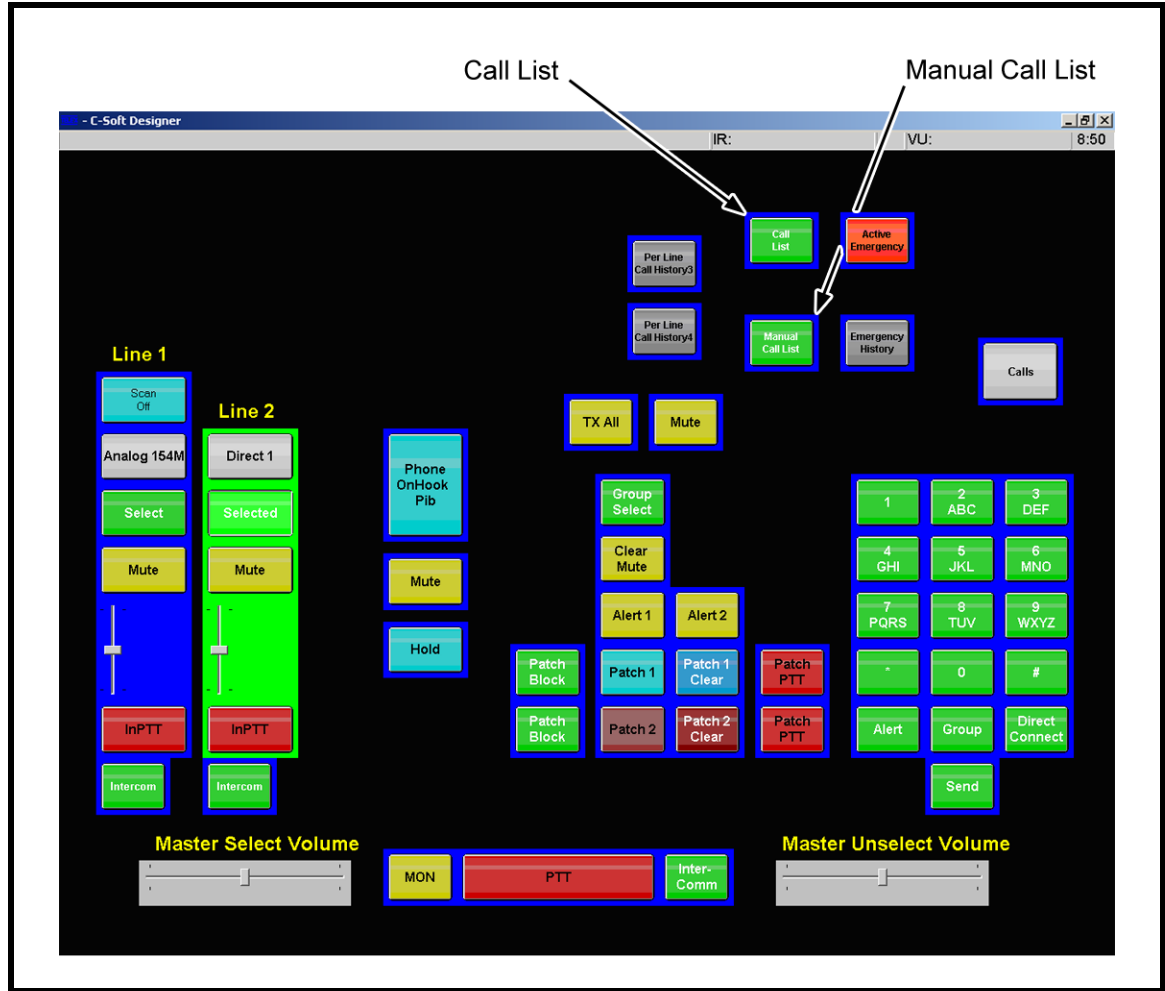


FIGURE 7. Call List Buttons —C-Soft Console

3.1 Manual Call List Operation

The **Manual Call List** is used by both iDEN and TDI configured lines. The bottom row of buttons are labeled by the user during setup.

To **use a manual call list button**, do the following:

1. From the CSoft Console select an **iDEN** or **TDI** line.
2. Click a **Manual Call List** button.
The Manual Call List window appears. See Figure 8.
3. In the User ID field, enter the **ID** to call.
4. Click the **appropriate button** to send the call.

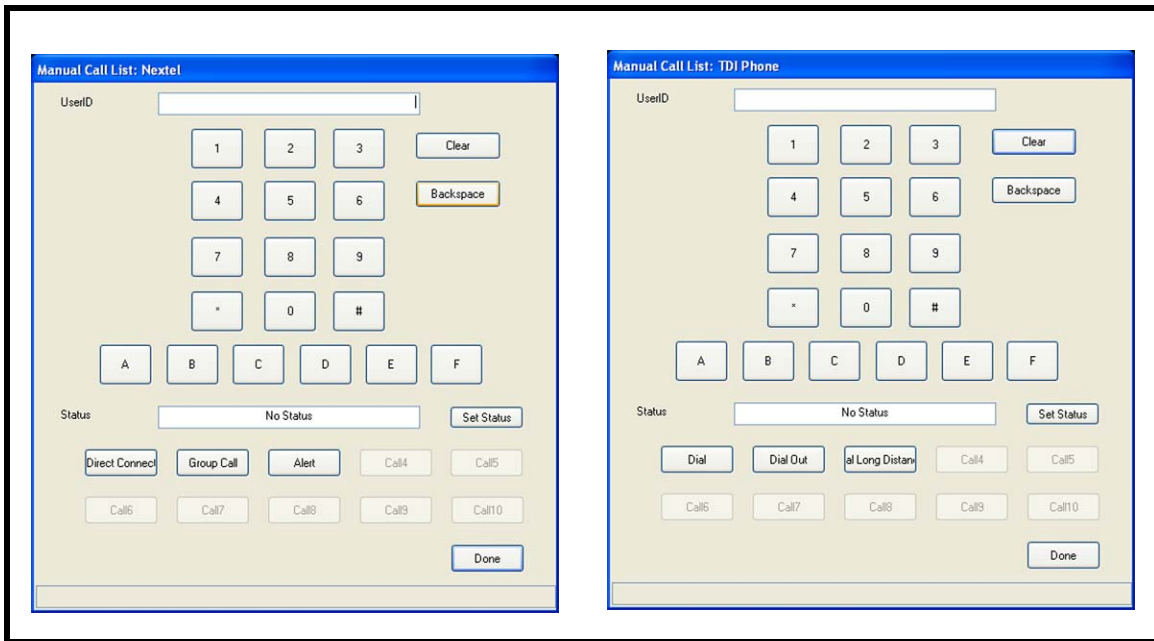


FIGURE 8. Manual Call Lists—iDEN and TDI

3.2 Call List Operation

The **Call List** is used by both iDEN and TDI configured lines. Information in the list is displayed based on which line is selected and its configuration. User IDs are preprogrammed and based on information entered in the Alias table.

To use a call list button, do the following:

1. From CSoft Runtime, select an **iDEN** or **TDI** line.
2. Click a **Call List** button.
The Call List window appears. See Figure 9.
3. Select an **Alias/User ID** from the list.
4. Click the **appropriate button** to send the call.

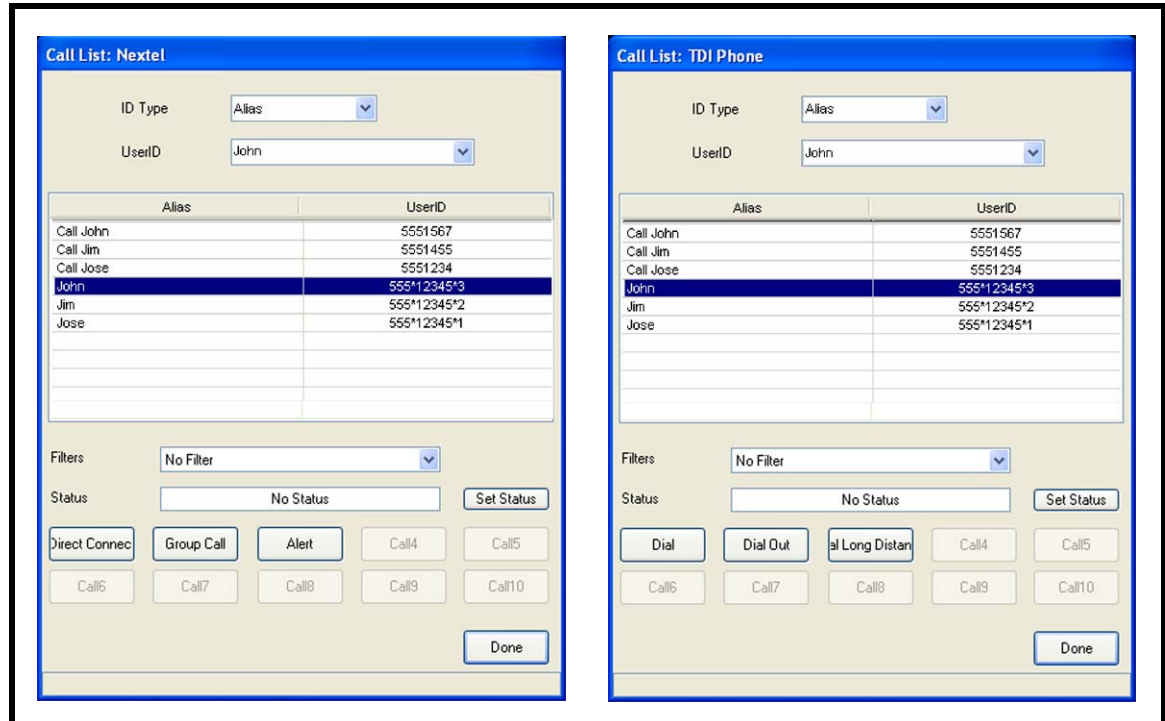


FIGURE 9. Call List Window—iDEN and TDI

Revision History		
Document Title: Configuring Signaling Parameters in CSoft for iDEN/PSTN Operation		
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A	Update brand, format and new document number. (from rev A)	15-DEC-2009

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