



DTR 900MHz 1W Radio

Configuring Mix Fleet



Configuring a Mix Fleet - Scenario 1



DTR410/ DTR550/ DTR650/ DTR620

In most cases, the old DTR is using Public Group, Channel 1, ID 1.

17179184219 Model - DTR550

Save to profile Write to radio Reset Close Radio-Specific Report Overview Report HELP

Public Groups

<input type="checkbox"/>	Index	Name	Channel	ID
<input type="checkbox"/>	1	Public 1	Channel 1	1
<input type="checkbox"/>	2	Public 2	Channel 1	2
<input type="checkbox"/>	3	Public 3	Channel 1	3
<input type="checkbox"/>	4	Public 4	Channel 1	4
<input type="checkbox"/>	5	Public 5	Channel 1	5

Add Delete Results on page 8

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Perform a read out to determine if the ID has been changed

DTR600/ DTR700/ DTR720

Do nothing and leave the default Profile ID to 0000 and set to Channel 1 for the public group chat.

Configuring a Mix Fleet - Scenario 2a



DTR410/ DTR550/ DTR650/ DTR620

If the old DTR is using different ID, example: Public Group, Channel 1, **ID30**

DTR600/ DTR700/ DTR720

Follow these settings:

379TUT0056 Model - DTR600

✔ Data successfully updated.

Save to profile Write to radio Reset Close Customer Handout Detailed Report Switch to BASIC ◀ HELP

[-] Advanced View Setting (Advanced)

Profile ID Number Lock 2) Uncheck this

[-] Contacts (Advanced)

Maximum Contacts	200	Current Number of Contacts	21
Maximum Private Groups	50	Current Number of Private Groups	0
Maximum Public Groups	50	Current Number of Public Groups	20
Maximum Privates	100	Current Number of Privates	1

1) Go to Advance setting

Configuring a Mix Fleet - Scenario 2b



Radio Type
DTR600/DTR700

Preference Setting
Auto Detect COM

Read Radio
379TUT0056

New Profile

Open

Profiles
Training
DTR600

379TUT0056 Model - DTR600

Data successfully updated.
Save to profile Write to radio Reset Close Customer Handout Detailed Report Switch to BASIC

1) Still in Advance setting

Add Delete Results on page 8
Page 1 of 1

Private Groups (Advanced)

<input type="checkbox"/>	Index	Edit More	Name	Group Members
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4) The Frequency hopset is to follow the old DTR Channel #

5) Follow the old DTR ID, change ID to 30

3) Add group to 21

Add Delete Results on page 8
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Public Groups (Advanced)

<input type="checkbox"/>	Index	Name	Frequency Hopset	ID
<input type="checkbox"/>	17	N/A	4	N/A
<input type="checkbox"/>	18	N/A	4	N/A
<input type="checkbox"/>	19	N/A	4	N/A
<input type="checkbox"/>	20	N/A	4	N/A
<input type="checkbox"/>	21	Public 21	1	30

Add Delete Results on page 8
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CPS - Add contacts and groups into Channel



Business Radio Customer Program x +

127.0.0.1:9990/?timeid=190107081455

BUSINESS RADIO CUSTOMER PROGRAMMING SOFTWARE Session time remaining: 59:44 LOCAL

HOME RADIO

Radio Type: DTR600/DTR700

Preference Setting: Auto Detect COM

Read Radio: 379TUT0056

New Profile

Open

Profiles: Training DTR600

379TUT0056 Model - DTR600

10) Program the settings to the radios

Data successfully updated.

Save to profile Write to radio Reset Close Customer Handout Detailed Report Switch to ADVANCED

6) Switch back to Basic setting

Buttons (Basic)

Programmable Button: Private Reply

Direct Call: OFF

Radio Name Based on Private Name

Radio Name

9) Channel name can be renamed (optional)

Profile ID Number information

Profile ID

Channels (Basic)

Home Channel

Home Channel Mode: N/A

8) Select type of group to assign to the channel (if more than 1 group is available)

7) Select Public as the Mode

<input type="checkbox"/>	Index	Edit More	Name	Mode	Channel Mapping
<input type="checkbox"/>	1	Edit More	Channel 01	Public	Public 21
<input type="checkbox"/>	2	Edit More	Channel 02	Profile ID	2
<input type="checkbox"/>	3	Edit More	Channel 03	Profile ID	3
<input type="checkbox"/>	4	Edit More	Channel 04	Profile ID	4
<input type="checkbox"/>	5	Edit More	Channel 05	Profile ID	5
<input type="checkbox"/>	6	Edit More	Channel 06	Profile ID	6
<input type="checkbox"/>	7	Edit More	Channel 07	Profile ID	7
<input type="checkbox"/>	8	Edit More	Channel 08	Profile ID	8

Add Delete

Results on page 8

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Save file for future programming use (optional)

Configuring a Mix Fleet - Scenario 3a



DTR410/ DTR550/ DTR650/ DTR620

If the old DTR is using different Channel and ID, example: Public Group, **Channel 2, ID2**

DTR600/ DTR700/ DTR720

Follow these settings:

Profile ID Number information (Basic)

Profile ID

1) Change the Profile ID to non-zero

379TUT0056

Model - DTR600

✔ Data successfully updated.

2) Go to Advance setting

Advanced View Setting (Advanced)

Profile ID Number Lock

3) Uncheck this

Contacts (Advanced)

Maximum Contacts	200	Current Number of Contacts	21
Maximum Private Groups	50	Current Number of Private Groups	0
Maximum Public Groups	50	Current Number of Public Groups	20
Maximum Privates	100	Current Number of Privates	1

Configuring a Mix Fleet - Scenario 3b



Business Radio Customer Programming Software

Session time remaining: 59:57 LOCAL

HOME RADIO

Radio Type: DTR600/DTR700

Preference Setting: Auto Detect COM

Read Radio: 379TUT0056

New Profile

Open

Profiles: Training DTR600

379TUT0056 Model - DTR600

Data successfully updated.

Save to profile Write to radio Reset Close Customer Handout Detailed Report Switch to BASIC

1) Still in Advance setting

4) Add group to 21

5) The Frequency hopset is to follow the old DTR Channel #

6) Follow the old DTR ID, change ID to 2

Private Groups (Advanced)

<input type="checkbox"/>	Index	Edit More	Name	Group Members
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Public Groups (Advanced)

<input type="checkbox"/>	Index	Name	Frequency Hopset	ID
<input type="checkbox"/>	17	N/A	10	N/A
<input type="checkbox"/>	18	N/A	10	N/A
<input type="checkbox"/>	19	N/A	10	N/A
<input type="checkbox"/>	20	N/A	10	N/A
<input type="checkbox"/>	21	Public 21	2	2

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CPS - Add contacts and groups into Channel



Business Radio Customer Program x +

127.0.0.1:9990/?timeid=190107081455

BUSINESS RADIO CUSTOMER PROGRAMMING SOFTWARE

Session time remaining: 59:44 LOCAL

HOME RADIO

Radio Type: DTR600/DTR700

Preference Setting: Auto Detect COM

Read Radio: 379TUT0056

New Profile

Open

Profiles: Training DTR600

379TUT0056 Model - DTR600

11) Program the settings to the radios

Data successfully updated.

Save to profile Write to radio Reset Close Customer Handout Detailed Report Switch to ADVANCED

7) Switch back to Basic setting

Buttons (Basic)

Programmable Button: Private Reply

Direct Call: OFF

Radio Name Based on Private Name

Radio Name

Profile ID Number information

Profile ID

Channels (Basic)

Home Channel

Home Channel Mode: N/A

10) Channel name can be renamed (optional)

8) Select Public as the Mode

9) Select type of group to assign to the channel (if more than 1 group is available)

<input type="checkbox"/>	Index	Edit More	Name	Mode	Channel Mapping
<input type="checkbox"/>	1	Edit More	Channel 01	Public	Public 21
<input type="checkbox"/>	2	Edit More	Channel 02	Profile ID	2
<input type="checkbox"/>	3	Edit More	Channel 03	Profile ID	3
<input type="checkbox"/>	4	Edit More	Channel 04	Profile ID	4
<input type="checkbox"/>	5	Edit More	Channel 05	Profile ID	5
<input type="checkbox"/>	6	Edit More	Channel 06	Profile ID	6
<input type="checkbox"/>	7	Edit More	Channel 07	Profile ID	7
<input type="checkbox"/>	8	Edit More	Channel 08	Profile ID	8

Add Delete

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Configuring a Mix Fleet - Scenario 4a



DTR410/ DTR550/ DTR650/ DTR620

If the old DTR is using Private Group with a Private Group Name - *Test*. Now wanted to add 2 new DTR radios into the Private Group.

1) Open old DTR CPS

2) Add the new DTR radios ID under Privates

Index	Edit More	Name	Channel	ID
1	Edit More	Private 02	Channel 3	17179184219
2	Edit More	17179184220	Channel 3	17179184220

Index	Edit More	Name	ID	All Privates	Group Members
1	Edit More	Test	17179184219		Private 02, 17179184220

Index	Name	Channel	ID
1	Public 1	Channel 2	2
2	Public 2	Channel 2	7
3	Public 3	Channel 1	3
4	Public 4	Channel 1	4
5	Public 5	Channel 1	5

Channel (Privates)
This field sets the channel that the Private contact resides on. Range is from channel 1 to channel 10.

Notes

- If a Private contact belongs to at least one Private Group contact, changing the Channel will delete it from that Private Group contact. Any Private Group left without any members will be deleted.
- Changing the Channel will reset the [Home Group](#) field to "None".
- The Channel field cannot be left blank.

Configuring a Mix Fleet - Scenario 4b



Business Radio Customer Program x Business Radio Customer Program x +

127.0.0.1:9990/?timeid=190107080602

BUSINESS RADIO CUSTOMER PROGRAMMING SOFTWARE Session time remaining: 59:53 LOCAL

HOME RADIO

Radio Type: DTR

Preference Setting: Auto Detect COM

Read Radio: 17179184220

New Profile

Open

Profiles: DTR 550

17179184220 Model - DTR550

Data successfully updated.

Save to profile Write to radio Reset Close Radio-Specific Report Overview Report HELP

Privates - 2 OK

Name: Private 03

Channel: Channel 3

ID: 17174789845 Read Private ID from Radio

Home Group: None

Group Only:

Ringer: Ringer 1

Enable Private Scroll List:

Scroll List

Available Contacts

<input type="checkbox"/>	Private 02
<input type="checkbox"/>	Private 03
<input type="checkbox"/>	Private 04
<input type="checkbox"/>	Public 1
<input type="checkbox"/>	Public 2
<input type="checkbox"/>	Public 3
<input type="checkbox"/>	Public 4
<input type="checkbox"/>	Public 5
<input type="checkbox"/>	Test
<input checked="" type="checkbox"/>	17179184220

Add >>

<< Remove

Scroll List

Channel (Privates)

This field sets the channel that the Private contact resides on. Range is from channel 1 to channel 10.

Notes

- If a Private contact belongs to at least one Private Group contact, changing the Channel will delete it from that Private Group contact. Any Private Group left without any members will be deleted.
- Changing the Channel will reset the Home Group field to "None".
- The Channel field cannot be left blank.

3) Ensure the Channel is same as the old DTR

4) Manually key in the radio ID. Repeat Step 2 and 3 for additional radios

Configuring a Mix Fleet - Scenario 4c



HOME RADIO

Radio Type
DTR

Preference Setting
Auto Detect COM

Read Radio
17179184220

New Profile

Open

Profiles
DTR 550

17179184220 Model - DTR550

Data successfully updated.

Save to profile Write to radio Reset Close Radio-Specific Report Overview Report HELP

Maximum Privates 150 Current Number of Privates 4

Privates

<input type="checkbox"/>	Index	Edit More	Name	Channel	ID
<input type="checkbox"/>	1	Edit More	Private 02	Channel 3	17179184219
<input type="checkbox"/>	2	Edit More	Private 03	Channel 1	17174789845
<input type="checkbox"/>	3	Edit More	Private 04	Channel 1	17174789832
<input type="checkbox"/>	4	Edit More	17179184220	Channel 3	17179184220

Add Add With Scanner Delete Results on page 8

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Private Groups

<input type="checkbox"/>	Index	Edit More	Name	ID	# Privates	Group Members
<input type="checkbox"/>	1	Edit More	Test	17179184219		Private 02, 17179184220

5) Click Edit More to add the 2 newly added radio into this group

6) Note down this Group ID number for new DTR configuration

Add Delete Results on page 8

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Public Groups

<input type="checkbox"/>	Index	Name	Channel	ID
<input type="checkbox"/>	1	Public 1	Channel 2	2
<input type="checkbox"/>	2	Public 2	Channel 2	7
<input type="checkbox"/>	3	Public 3	Channel 1	3
<input type="checkbox"/>	4	Public 4	Channel 1	4

Channel (Privates)

This field sets the channel that the Private contact resides on. Range is from channel 1 to channel 10.

Notes

- If a Private contact belongs to at least one Private Group contact, changing the Channel will delete it from that Private Group contact. Any Private Group left without any members will be deleted.
- Changing the Channel will reset the Home Group field to "None".
- The Channel field cannot be left blank.

Configuring a Mix Fleet - Scenario 4d



Business Radio Customer Program x Business Radio Customer Program x +

127.0.0.1:9990/?timeid=190107080602

BUSINESS RADIO CUSTOMER PROGRAMMING SOFTWARE Session time remaining: 59:34 LOCAL

HOME RADIO

Radio Type
DTR

Preference Setting
Auto Detect COM

Read Radio
17179184220

New Profile

Open

Profiles
DTR 550

17179184220 Model - DTR550

Data successfully updated.

Save to profile Write to radio Reset Close Radio-Specific Report Overview Report HELP

Private Groups - 1 OK

Name: Test
Channel: Channel 3
ID: 17179184219

All Privates
Private 03 (5 Group(s) Left)
Private 04 (5 Group(s) Left)

Group Members
Private 02
17179184220

Add >>
<< Remove

7) Select the 2 newly added ID and click add into the group

Group Members
Assigns Private contacts to become members of the Private Group contact.
To add a Private contact to the Group Members list, click on a Private contact box in the All Privates list or click on multiple Private contact boxes to choose more than one Private contact and click the Add button.
The Private contact(s) appears in the Group Members list.
To remove a Private contact from the Group Members list, click on a Private contact in the Group Members list or click on multiple Private Contact boxes to choose more than one Private contact and click the Remove button.

Note

- Available if feature is supported by the radio.
- The All Privates lists contains Private contacts belonging to the channel specified.
- Next to each Private contact's name in the All Private list is the number of Private Group contacts they can belong to.
- The maximum number of Private Group contacts that a Private contact can belong to is five. Private contacts in the All Private list that already belong to five Private Group contacts will be greyed out and will not be allowed to be selected.

Configuring a Mix Fleet - Scenario 4e



HOME RADIO

Radio Type
DTR600/DTR700

Preference Setting
Auto Detect COM

Read Radio
379TUT0017
17179184220

New Profile

Open

Profiles

8) Open new DTR CPS

379TUT0017 Model - DTR600

Data successfully updated.

Save to profile Write to radio Reset Close Customer Handout Detailed Report Switch to BASIC HELP

Advanced View Setting (Advanced)

Profile ID Number Lock

Contacts (Advanced)

Maximum Contacts	200	Current Number of Contacts	25
Maximum Private Groups	50	Current Number of Private Groups	1
Maximum Public Groups	50	Current Number of Public Groups	20
Maximum Privates	100	Current Number of Privates	4

Privates (Advanced)

<input type="checkbox"/>	Index	Edit More	Name	Frequency Hopset	ID
<input type="checkbox"/>	1	Edit More	17174789845	3	17174789845
<input type="checkbox"/>	2	Edit More	17174789832	3	17174789832
<input type="checkbox"/>	3	Edit More	17179184219	3	17179184219
<input type="checkbox"/>	4	Edit More	17179184220	3	17179184220

ID

This field sets the ID of the Private Group contact. The drop down list ID's are the ID's taken from the Private contacts that are members of the Private Group contact excluding ID's that have already been used for other Private Group contacts.

Note:

- The ID field cannot be left blank.

9) Add the old DTR radios ID under Privates

Add Delete

Page 1 of 1

Private Groups (Advanced)

<input type="checkbox"/>	Index	Edit More	Name	ID	All Privates	Group Members
<input type="checkbox"/>	1	Edit More	Test	17179184219		17174789832, 17174789845, 17179184219, 17179184220

10) Click Edit More to add the 2 newly added radio ID into this group

11) Change the Group ID # same as previous settings

Configuring a Mix Fleet - Scenario 4f



Business Radio Customer Program x Business Radio Customer Program x +

127.0.0.1:9990/?timeid=190107141224

BUSINESS RADIO CUSTOMER PROGRAMMING SOFTWARE Session time remaining: 59:20 LOCAL

HOME RADIO

Radio Type: DTR600/DTR700

Preference Setting: Auto Detect COM

Read Radio: 379TUT0017 (17179184220)

Profiles: Training, DTR600

379TUT0017 Model - DTR600

Data successfully updated.

Save to profile Write to radio Reset Close Customer Handout Detailed Report Switch to ADVANCED

End of Receive Tone (Roger Beep)

Begin of Private Receive Tone

End of Private Receive Tone (Roger Beep)

Enable Internal PTT with Accessory

Buttons (Basic)

Programmable Button: Private Reply

Direct Call: OFF

Radio Name Based on Private Name

Radio Name: MOT...

Profile ID Number information

Profile ID: 618

Channels (Basic)

Home Channel: OFF

Home Channel Mode: N/A

<input type="checkbox"/>	Index	Edit More	Name	Mode	Channel Mapping
<input type="checkbox"/>	1	Edit More	Test	Private Group	Test
<input type="checkbox"/>	2	Edit More	Channel 02	Profile ID	2
<input type="checkbox"/>	3	Edit More	Channel 03	Profile ID	3
<input type="checkbox"/>	4	Edit More	Channel 04	Profile ID	4
<input type="checkbox"/>	5	Edit More	Channel 05	Profile ID	5
<input type="checkbox"/>	6	Edit More	Channel 06	Profile ID	6
<input type="checkbox"/>	7	Edit More	Channel 07	Profile ID	7
<input type="checkbox"/>	8	Edit More	Channel 08	Profile ID	8

Add Delete Results on page 8 of 3

Channel Mapping

Allows the user to map the selected channel to a contact. Depending on the Mode selection, the selections are different.

- Profile ID Mode: Profile ID - 1 to 18, Page All Available or Call All Available
- Private Group Mode: All available Private Group contacts
- Private Mode: All available Private contacts
- Public Mode: All available Public contacts except Profile ID public

12) Switch back to Basic setting

13) Select Private as the Mode

14) Select type of group to assign to the channel (if more than 1 group is available)

15) Channel name can be renamed (optional)

Save file for future programming use (optional)