Table of Contents

Talkback System

The `Talkback System` subsection in the project tree contains the tabs `Talkback Member Matrix` and `Talkback Options`. The options of these tabs are explained in the following sections.

> **Important**
> Processing the Talkback Matrix requires a 52/XD, 52/XD2 core or a 52/XC, 52/XC2 core (only 52-7400, 52-7402, 52-7420, 52-7423+52-8585) with 52-8583 - XC/XS Core Control Networking license.
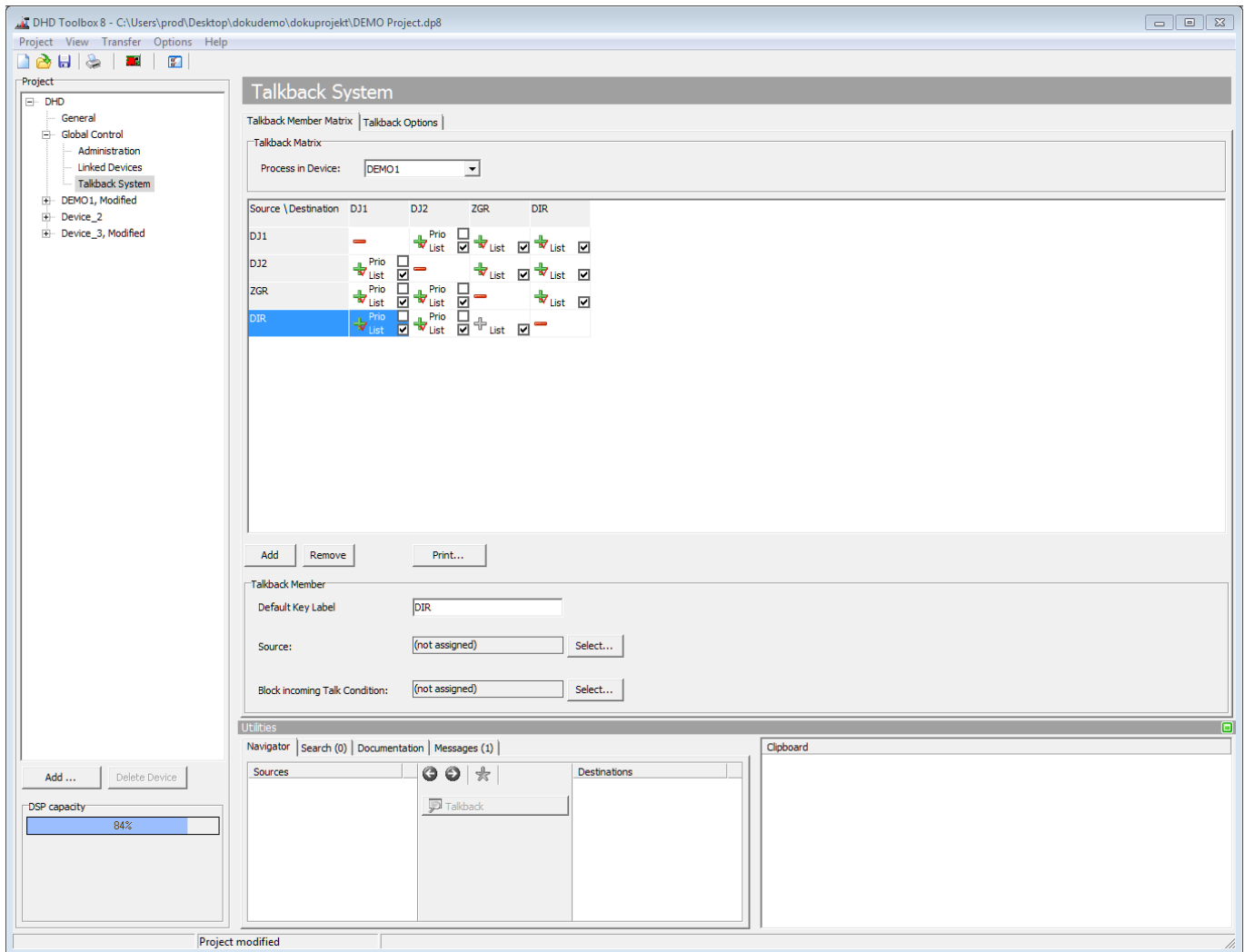
> **Important**
> To act as a Talkback Member requires a 52-8583 - XC/XS Core Control Networking license in the DSP core.

Talkback member matrix

Use the talkback matrix to define which sources and destinations can communicate with each other.

Talkback Member Matrix, creating, connecting and deleting sources and destinations.

Click `Add` to add a new source and a destination to the matrix. Click `Remove` to delete a selected source and destination from the matrix.

In the drop-down menu `Process in Device`, select a device which processes the audio and logic resources for the Talkback matrix. If `(none)` is selected, the talkback matrix is not processed.

Click on the coupling points (plus and minus signs) in the matrix to set up a connection or to interrupt it (plus = connected, minus = not connected). This coupling point configuration allows intercom stations to globally communicate with each other. Connections in the matrix are shown as grey plus signs for now. The activation of the connection itself must be configured using key functions in the corresponding intercom stations or by directly dragging and dropping members from the `Unassigned Talkback Members` area to keys. Assigned connections are shown as green plus signs with a red check mark. Next to the coupling points you see a `List` check box. Select this check box to define the Members of the talkback list. Use the key functions `Talkback List` and `TalkToListMember` to talk to a preselected member of this list.

In the `Talkback Member` area, you can edit the names of the sources and destinations in the matrix by entering the appropriate name in the `Standard Label` box. For output on a LCD, you can type a special name in the `LCD Label` box.
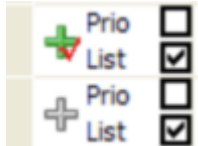
You can assign an audio source for each talkback member. The user can use this audio source to talk into the

matrix.

Select the desired source in the matrix and click `Select` at the `Source` box. The `Audio Sources` window opens. Click `Assign` to assign the source; alternatively double-click on the source or use drag & drop.

> **Note**
>
> Because of the structure of the matrix, several intercom stations can talk independently at the same time or communicate with each other.
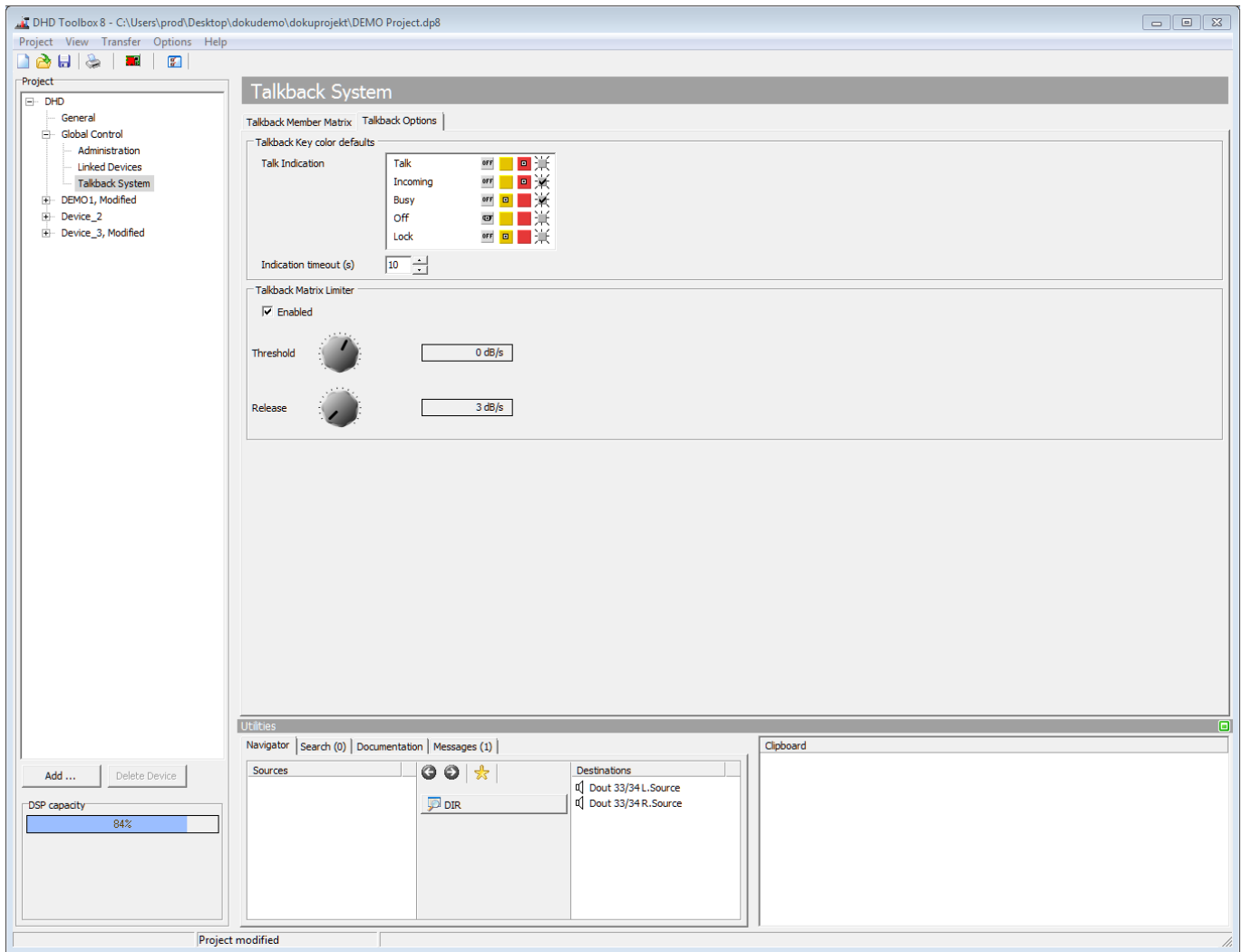

Prio check box and List check box.

You can define a logic function or GPI which blocks the incoming talk requests. Click `Select` at the `Block incoming Talk Condition` box, the `Logic Sources` window opens. Now select your desired function by drag & drop or double-click. Now a `Prio` check box is shown next to the plus signs of this talk member. Select this check box to allow a talk member to talk into a blocked source.

Talkback options

In this tab, you can set up further options for the talkback matrix.

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Talkback Options, general options of the talkback matrix.

General: Colors available: red, red flashing, yellow, yellow flashing or off - no signaling.

Area	Option	Description
Talkback key color defaults	Talk	• Select the color of the key that indicates that you are talking.
	Busy	• Select the color of the key that indicates that the connection to a participant is already taken by someone else.
	Incoming	• Select the color of the key that indicates that a participant wants to open a connection with you.
	Off	• Select the color of the key that indicates that there is no talkback connection active at the moment.
	Lock	• Select the color of the key that indicates that the participant, which are you trying to reach is locked (by a blocking condition).
	Indication Timeout (s)	• If a participant has tried to open a talk with you, this is indicated for a certain period by a lighting connection key. After that, this indication finishes automatically. The possible values are between 0 and 255 seconds. In case of a 0 seconds setting, the attempt is not indicated.
Talkback Matrix Limiter	Enabled	• Switch on this check box to enable the limiter for the input signals of the talkback matrix.
	Threshold	• Set the threshold for activating the limiter.
	Release	• Set a value for the release time of the limiter.

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Talkback Keys on the console

To configure a talkback system, also talkback keys on the console or a TFT display are required. Therefore use on TFT buttons or push-buttons the `talkback function` (see Central Key functions - Talkback Function)

Page Title: Talkback System

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