Ember+ Consumer Extension

on MAGIC telephone hybrids

Quick Guide

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AVT Audio Video Technologies

Ember+ Consumer Extension

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- Support

Ember+ Consumer Extension

Basics

- With Set Logic, DHD provides a powerful yet simple control protocol for its systems.
- The protocol enables a seamless connection to modern IP infrastructures.
- It replaces the classic signalling and control via Hardware GPIOs.
- A *Logic ID*, which can be managed via the *DHD Toolbox* Software, is assigned automatically to almost every function of a DHD System.
- A binary status (0 or 1) can be transmitted bidirectionally via the specific *Logic IDs* which enables another system to control or to be controlled.
- The telephone hybrids MAGIC TH2plus and MAGIC TH6 can each be connected to one DHD core.
- The MAGIC THipPro telephone hybrid can be connected with up to 16 DHD cores.
- All *Logic IDs* configured on the telephone hybrid are sent and read continuously (one ID each 3 seconds).
- Status changes are transmitted without delay.

What is DHD Set Logic?

- Ember+ is a powerful control protocol and implemented as open standard.
- Seamless connection to modern IP infrastructures.
- Avoiding proprietary interfaces and protocols.
- Increasingly supported in Video matrixes, mixing consoles etc.
- A system (or also software) supporting Ember+ can act as Provider or as Consumer.
  - A Provider publishes functions and parameters as parameter tree.
  - A Consumer acts as client and can trigger provided function, read out status information and change parameter values, which are immediately visible as status changes at the Provider.
  - Via GPIO structures classic functions can be triggered and status information can be displayed at the Provider as well as at the Consumer.

What is Ember+?

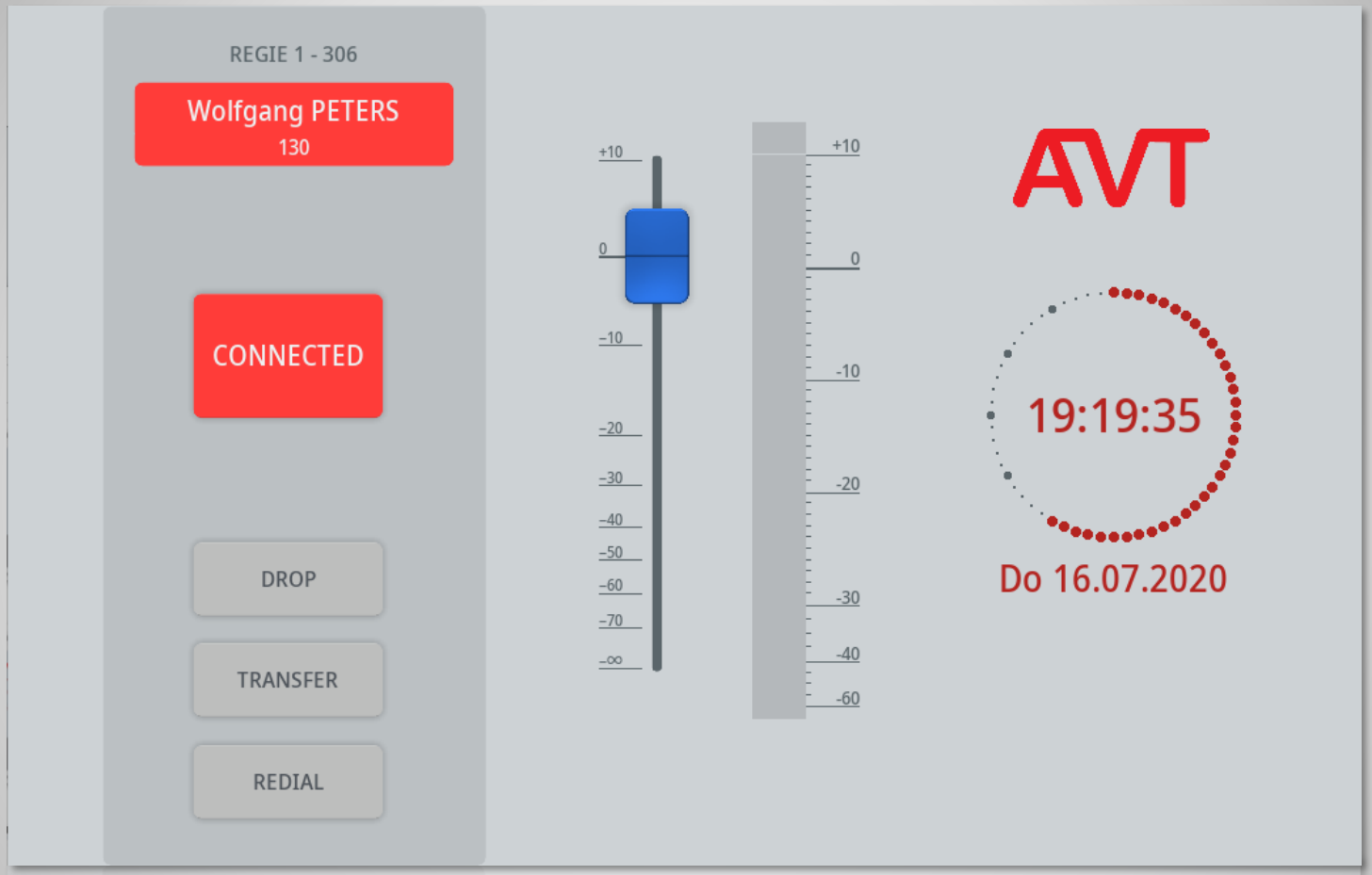
- Ember+ Consumer Extension (ECE) is a feature of AVT MAGIC telephone hybrids.
- ECE is used to control the caller lines via a DHD mixing console:
  - Dial a number
  - Accept calls
  - Switch between audio lines (PRETALK, HOLD, ON AIR)
  - Display name and number of the caller.
- ECE is based on the DHD SetLogic and Ember+ protocols.
  - Commands are transmitted via DHD SetLogic.
  - All text information (phone number, name, key labels) is transmitted via Ember+.
  - The controlling device must take on the role of the Ember+ provider. The MAGIC Telephone Hybrid acts as Ember+ consumer.
- The entire control logic is integrated in the MAGIC Telephone Hybrid and does not have to be programmed in the mixing console.

What is Ember+ Consumer Extension?

Ember+ Consumer Extension

Example configuration of a DHD 52/TX mixing console.

A caller line is operated via a compact 1-button control.



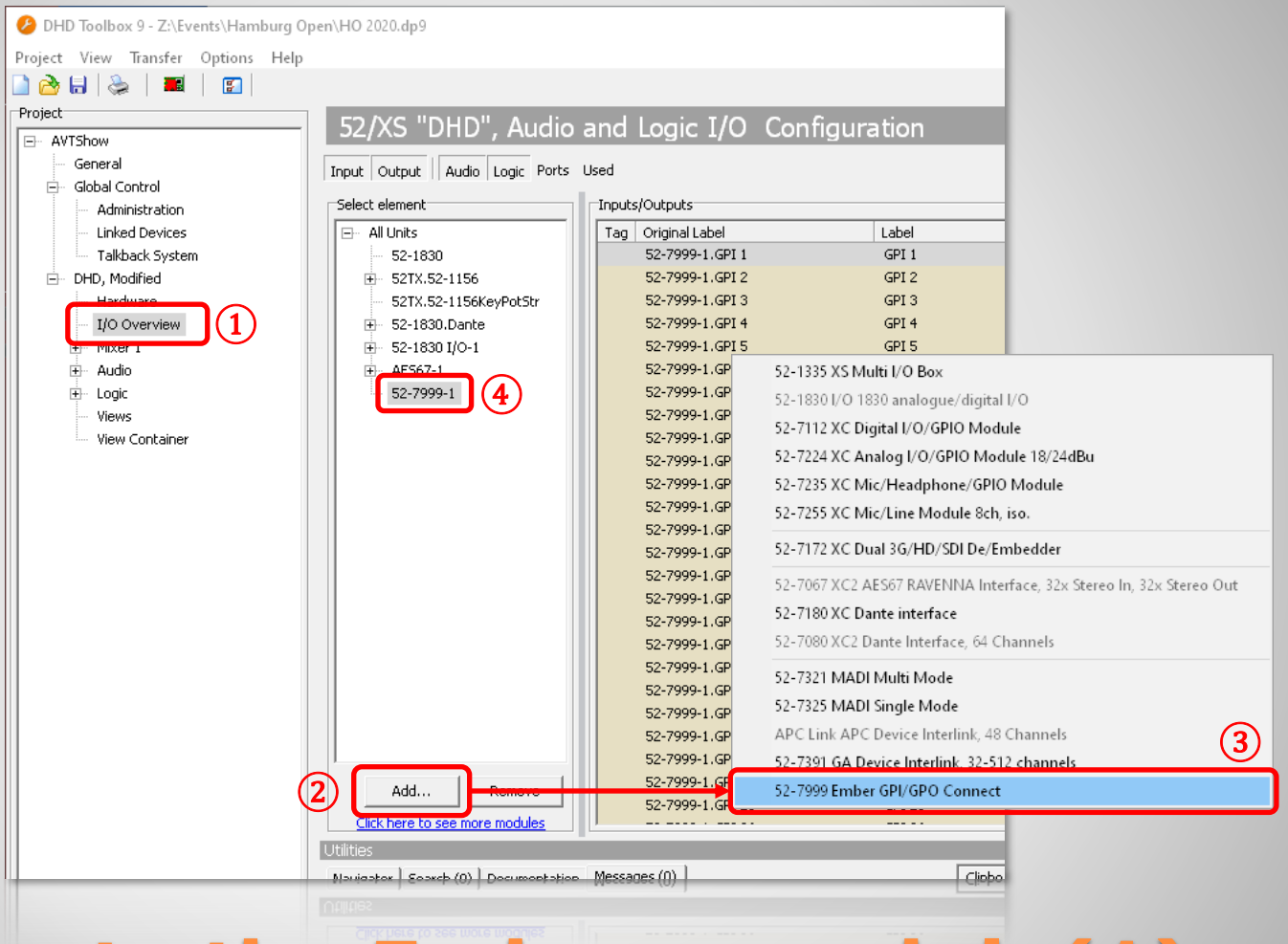
Example: DHD 52/TX (1)

- You control it using the left column of the view.
- In this example the 1-button operating mode is shown.
  - Only one audio interface (ON AIR) is available for the line.
- The following elements are shown from top to bottom:
  - Line Label: e.g. for displaying the own number.
  - Info: Caller information (name and number)
  - Main operating key: Opens the keypad, displays incoming calls and is used to accept calls.
  - DROP: Disconnects or locks the line.
  - TRANSFER: Forwards a connection.
  - REDIAL: Re-dial the last number dialled.
- The line status is indicated by different colours and flashing keys.
- Elements like fader, level meter, AVT logo and clock are pure DHD functions and therefore not described in this manual.

Example: DHD 52/TX (2)

Ember+ Consumer Extension

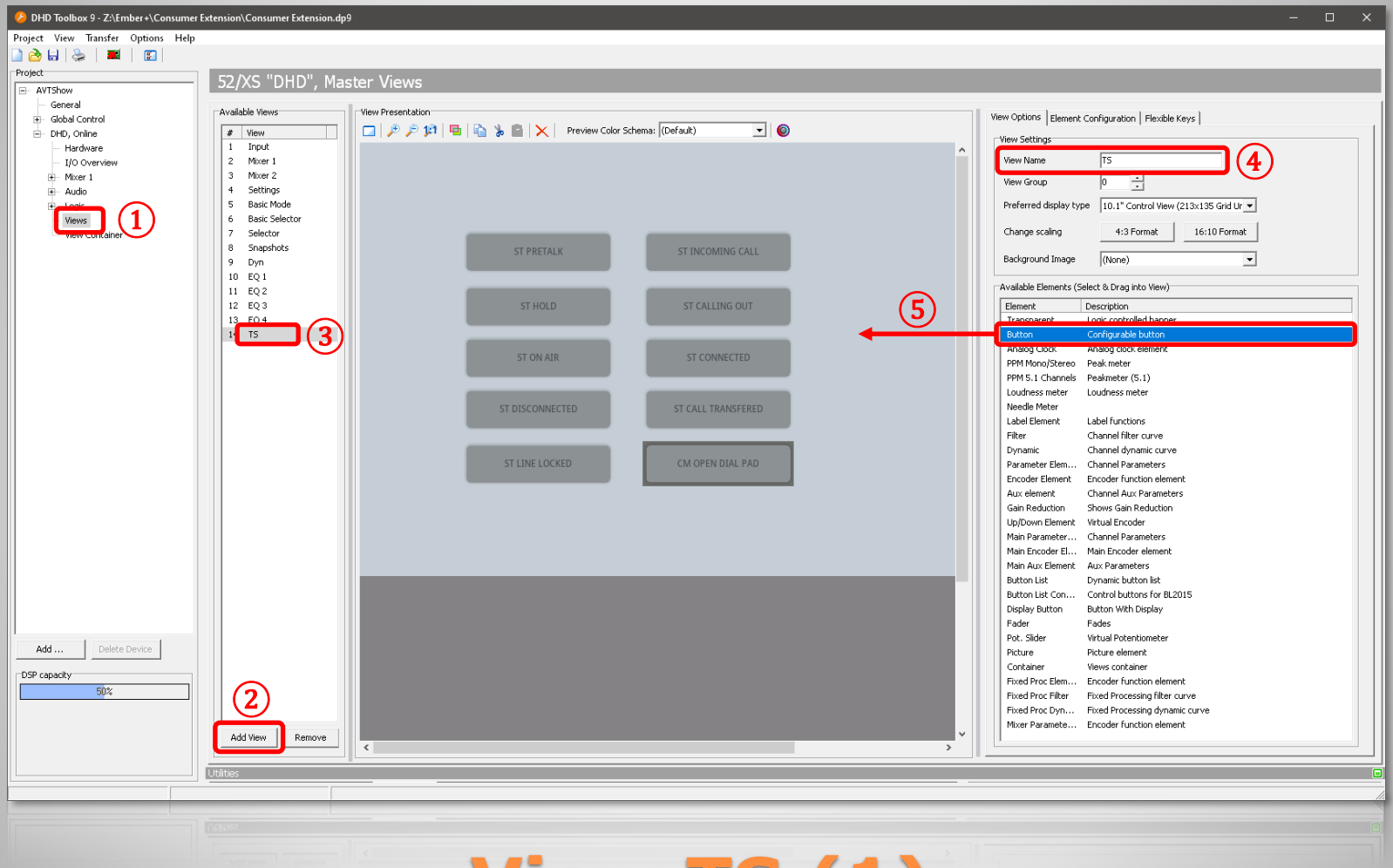
Configuration of the DHD 52/TX mixing console using the „DHD Toolbox“ PC software.



Activate the Ember+ module(1)

- Open the "DHD Toolbox" PC software to configure the DHD 52/TX mixer.
- Select I/O OVERVIEW ① in the DHD branch on the left side.
- Click the ADD button ② in the middle. This opens a list of available items.
- In the list, select 52-7999 EMBER GPI/GPO CONNECT ③.
- The 52-7999-1 element is then displayed in the list of elements ④.

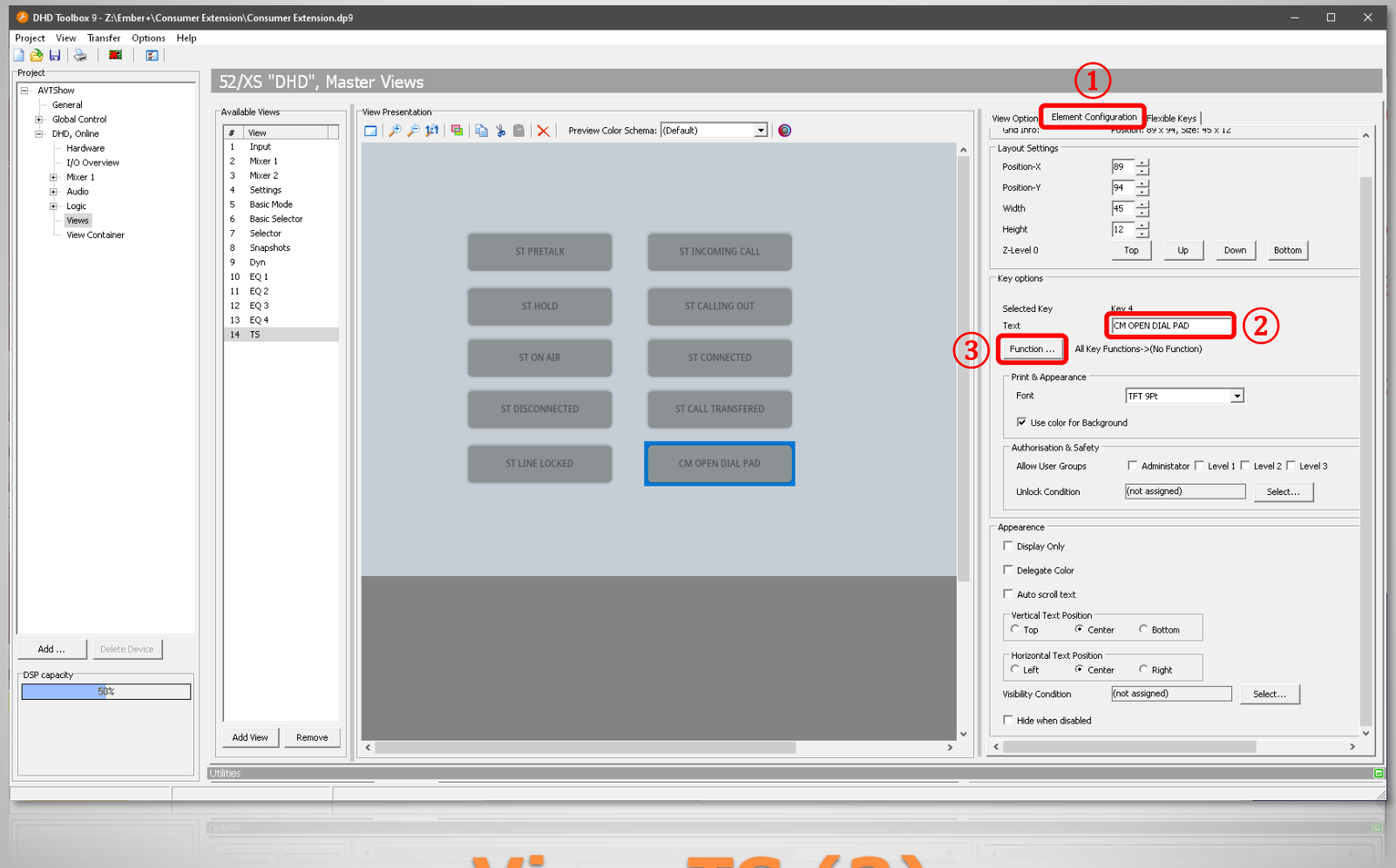
Activate the Ember+ module (2)


DHD Toolbox 9 - Z:\Ember+\Consumer Extension\Consumer Extension.dp9
Project View Transfer Options Help
Project
AVTShow
General
Global Control
DHD, Online
Hardware
I/O Overview
Mixer 1
Audio
Views
1
Add ...
Delete Device
DSP capacity
50%
52/XS "DHD", Master Views
Available Views
View
1 Input
2 Mixer 1
3 Mixer 2
4 Settings
5 Basic Mode
6 Basic Selector
7 Selector
8 Snapshots
9 Dyn
10 EQ 1
11 EQ 2
12 EQ 3
13 EQ 4
TS
3
2
Add View
Remove
View Presentation
Preview Color Schema: (Default)
ST PRETALK
ST INCOMING CALL
ST HOLD
ST CALLING OUT
ST ON AIR
ST CONNECTED
ST DISCONNECTED
ST CALL TRANSFERED
ST LINE LOCKED
CM OPEN DIAL PAD
5
View Options
Element Configuration
Flexible Keys
View Settings
View Name
TS
4
View Group
Preferred display type
10.1" Control View (213x135 Grid Ur
Change scaling
4:3 Format
16:10 Format
Background Image
(None)
Available Elements (Select & Drag into View)
Element
Description
Button
Configurable button
Analog Clock
Analog clock element
PPM Mono/Stereo
Peak meter
PPM 5.1 Channels
Peakmeter (5.1)
Loudness meter
Loudness meter
Needle Meter
Label Element
Label functions
Filter
Channel filter curve
Dynamic
Channel dynamic curve
Parameter Elem...
Channel Parameters
Encoder Element
Encoder function element
Aux element
Channel Aux Parameters
Gain Reduction
Shows Gain Reduction
Up/Down Element
Virtual Encoder
Main Parameter...
Channel Parameters
Main Encoder El...
Main Encoder element
Main Aux Element
Aux Parameters
Button List
Dynamic button list
Button List Con...
Control buttons for BL2015
Display Button
Button With Display
Fader
Fades
Pot. Slider
Virtual Potentiometer
Picture
Picture element
Container
Views container
Fixed Proc Elem...
Encoder function element
Fixed Proc Filter
Fixed Processing filter curve
Fixed Proc Dyn...
Fixed Processing dynamic curve
Mixer Paramete...
Encoder function element
Utilities

View TS (1)

- Two views are required to control the caller lines:
  - View "TS": Is not displayed on the mixing console. Here the status of the caller line is temporarily stored in the telephone hybrid. The visible elements of the view "Hybrid 1 Button" access it. In addition, the command for opening the dial pad is attached here.
  - View "Hybrid 1-Button": Is displayed on the screen of the mixing console and contains buttons and status indicators.
- Create view "TS" first.
- To do this, select VIEWS ① in the DHD branch on the left side.
- Click the ADD button ② in the middle.
- This adds an empty view to the list ③.
- Select the view in the list and assign the name "TS" ④ under VIEW SETTINGS on the right side.
- Also on the right side, under AVAILABLE ELEMENTS, you will find all available elements that can be used in a view.
- Click and hold the BUTTON element and drag it to the drawing area ⑤.
- Create 10 buttons in this way.

View TS (2)

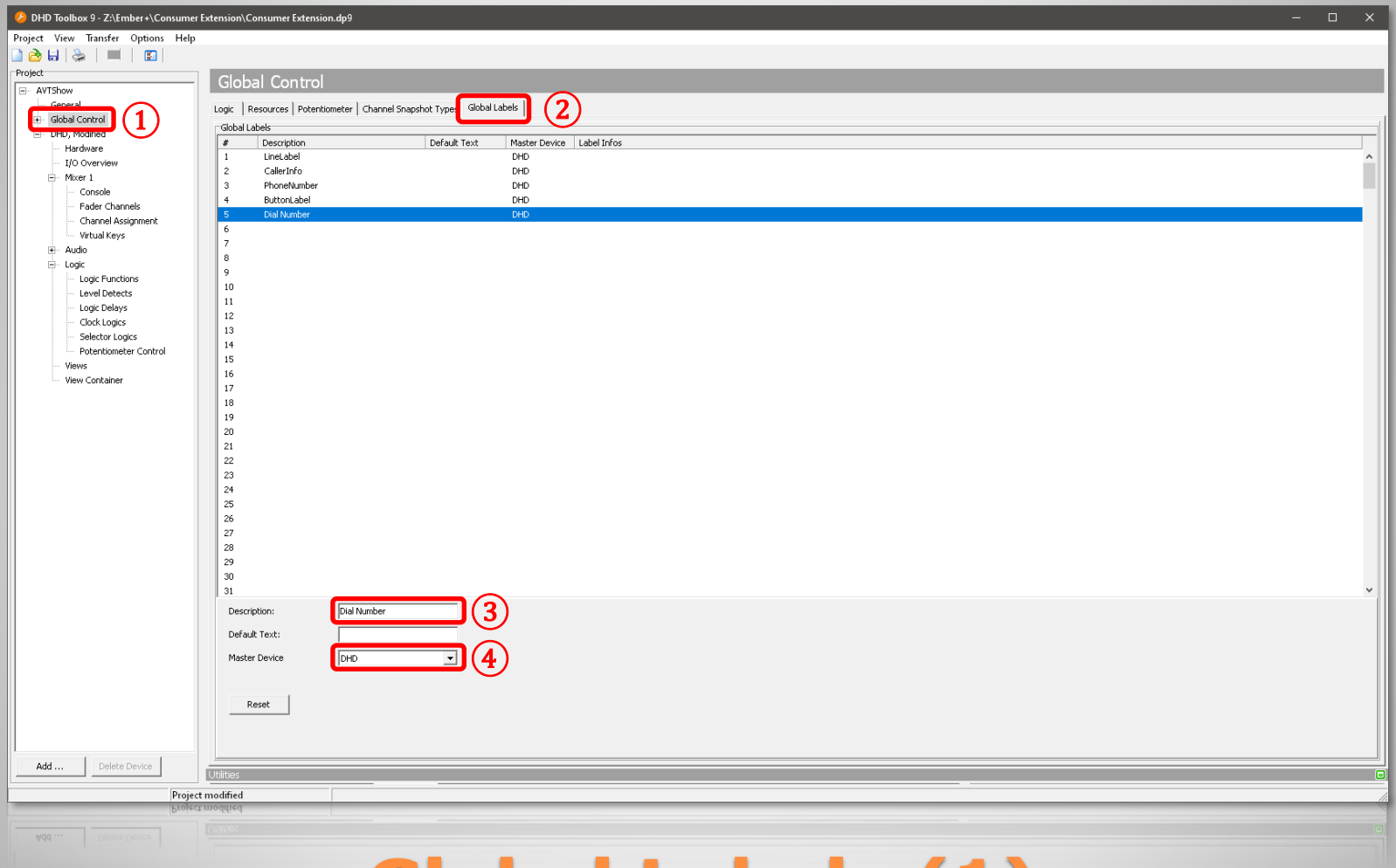

DHD Toolbox 9 - Z:\Ember+\Consumer Extension\Consumer Extension.dp9
Project View Transfer Options Help
Project
AVTShow
General
Global Control
DHD, Online
Hardware
I/O Overview
Mixer 1
Audio
Logic
Views
View Container
Add ...
Delete Device
DSP capacity
50%
52/XS "DHD", Master Views
Available Views
View
1 Input
2 Mixer 1
3 Mixer 2
4 Settings
5 Basic Mode
6 Basic Selector
7 Selector
8 Snapshots
9 Dyn
10 EQ 1
11 EQ 2
12 EQ 3
13 EQ 4
14 TS
Add View
Remove
View Presentation
Preview Color Schema: (Default)
ST PRETALK
ST INCOMING CALL
ST HOLD
ST CALLING OUT
ST ON AIR
ST CONNECTED
ST DISCONNECTED
ST CALL TRANSFERED
ST LINE LOCKED
CM OPEN DIAL PAD
Utilities
1
View Option
Element Configuration
Flexible Keys
Layout Settings
Position-X 89
Position-Y 94
Width 45
Height 12
Z-Level 0
Top
Up
Down
Bottom
Key options
Selected Key Key 4
Text CM OPEN DIAL PAD
2
3
Function ...
All Key Functions->(No Function)
Print & Appearance
Font TFT 9Pt
Use color for Background
Authorisation & Safety
Allow User Groups
Administator
Level 1
Level 2
Level 3
Unlock Condition (not assigned)
Select...
Appearence
Display Only
Delegate Color
Auto scroll text
Vertical Text Position
Top
Center
Bottom
Horizontal Text Position
Left
Center
Right
Visibility Condition (not assigned)
Select...
Hide when disabled

View TS (3)

- Click on a button and switch to the ELEMENT CONFIGURATION tab on the right side ①.
- Enter the name of the respective button under TEXT ②:
  - ST PRETALK
  - ST HOLD
  - ST ON AIR
  - ST DISCONNECTED
  - ST LINE LOCKED
  - ST INCOMING CALL
  - ST CALLING OUT
  - ST CONNECTED
  - ST CALL TRANSFERRED
  - CM OPEN DIAL PAD

  Where ST stands for Status and CM for Command.
- Click the FUNCTION... button ③ and select NO FUNCTION.

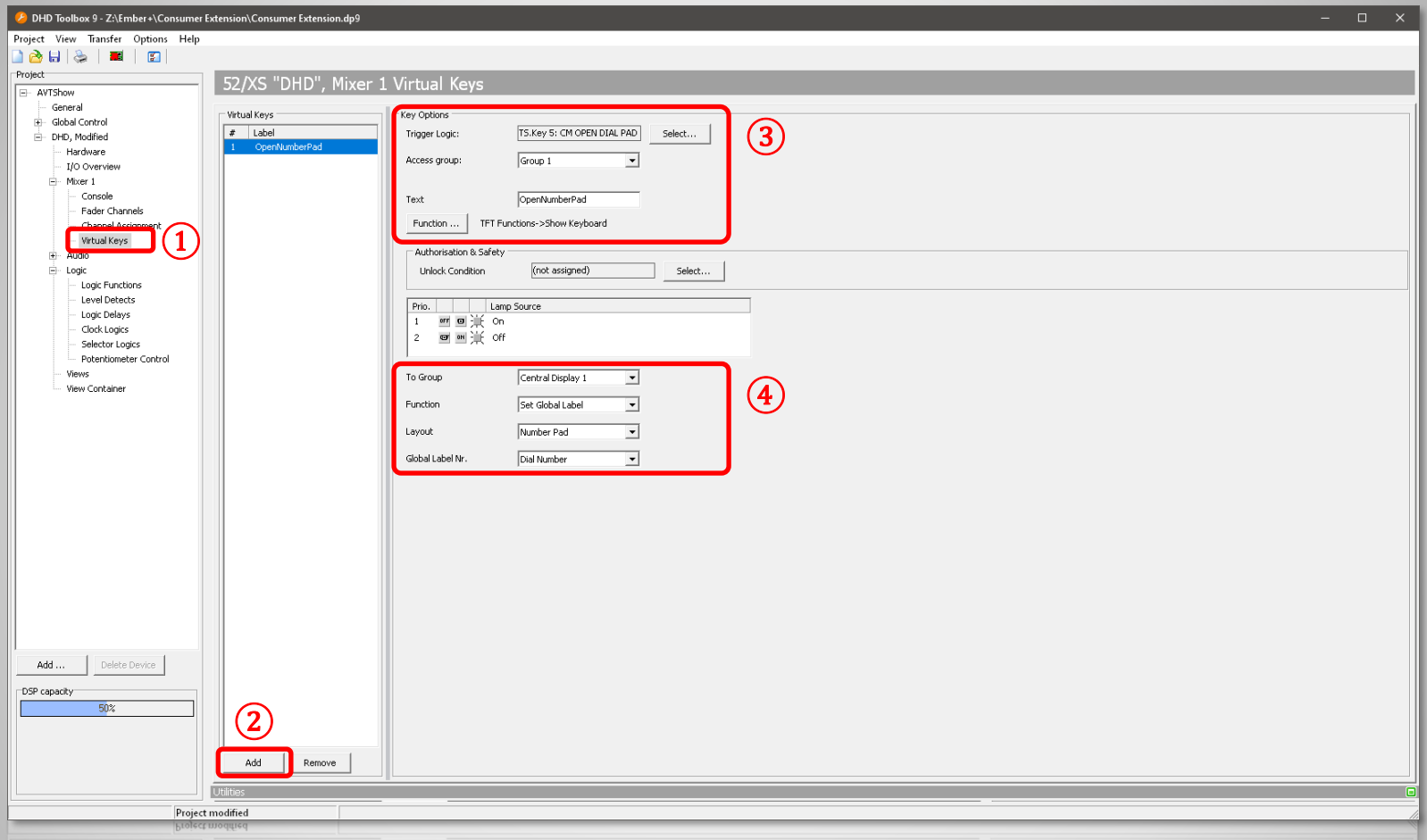
View TS (4)



Global Labels (1)

Global Labels (2)

- GLOBAL LABELS must be defined to display texts that are transferred to the mixing console via Ember+.
- The global labels are referenced in the view by their number (column #).
- Select GLOBAL CONTROL ① on the left.
- Select the tab GLOBAL LABELS ② in the middle.
- Click on a line and enter the corresponding identifiers of the global labels under DESCRIPTION ③ :
  - 1 LineLabel
  - 2 CallerInfo
  - 3 PhoneNumber
  - 4 ButtonLabel
  - 5 Dial Number
- Set DHD as MASTER DEVICE for each Global Label ④.

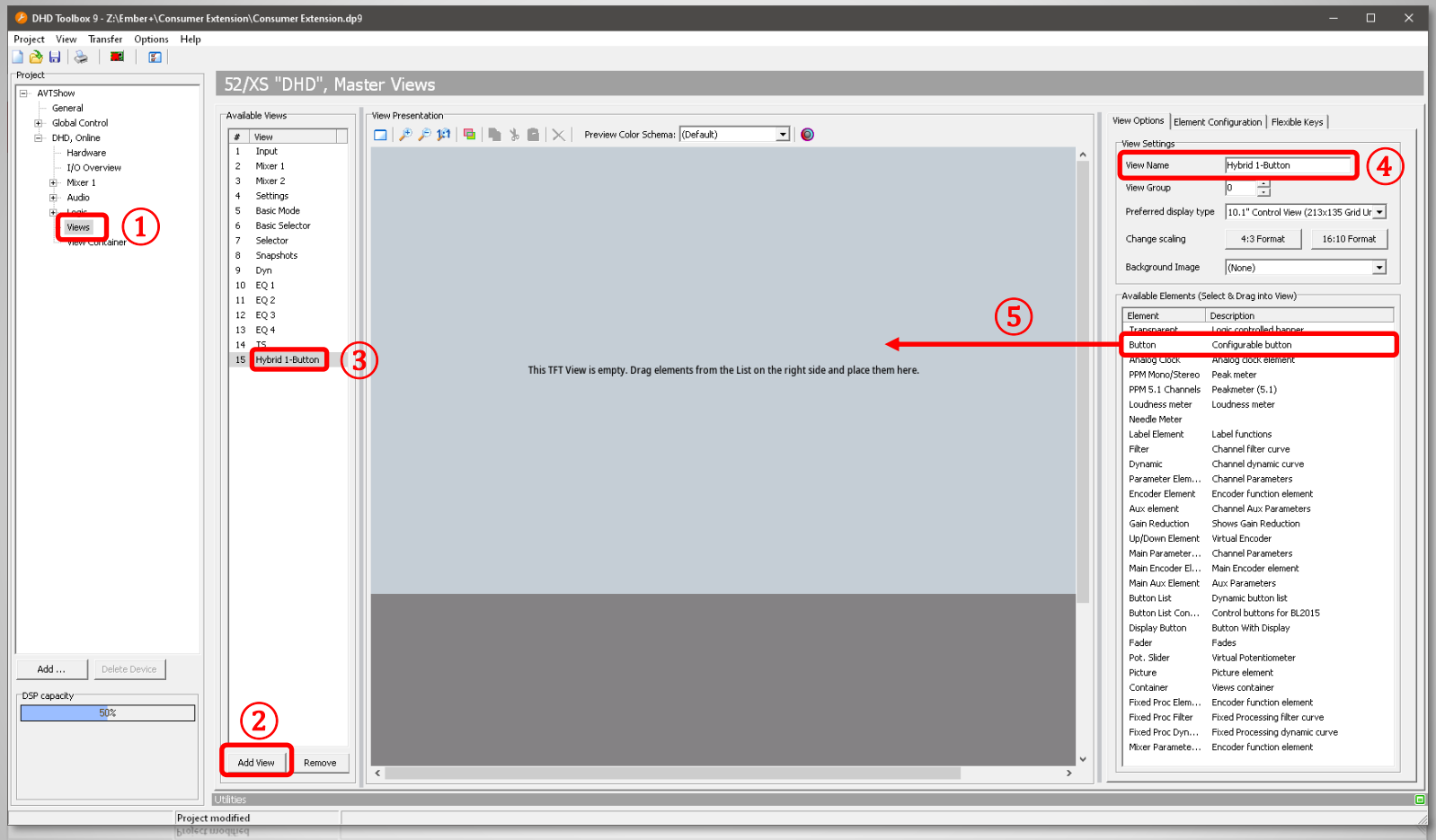


Virtual Key (1)

Virtual Key (2)

- The DHD mixing console offers an on-screen keyboard for entering a telephone number.
- The keyboard needs to be opened by a command from the telephone hybrid.
- For this purpose a VIRTUAL KEY is created in the mixing console.
- To do this, select VIRTUAL KEYS ① in the MIXER branch on the left side.
- Use the ADD button ② to create a Virtual Key.

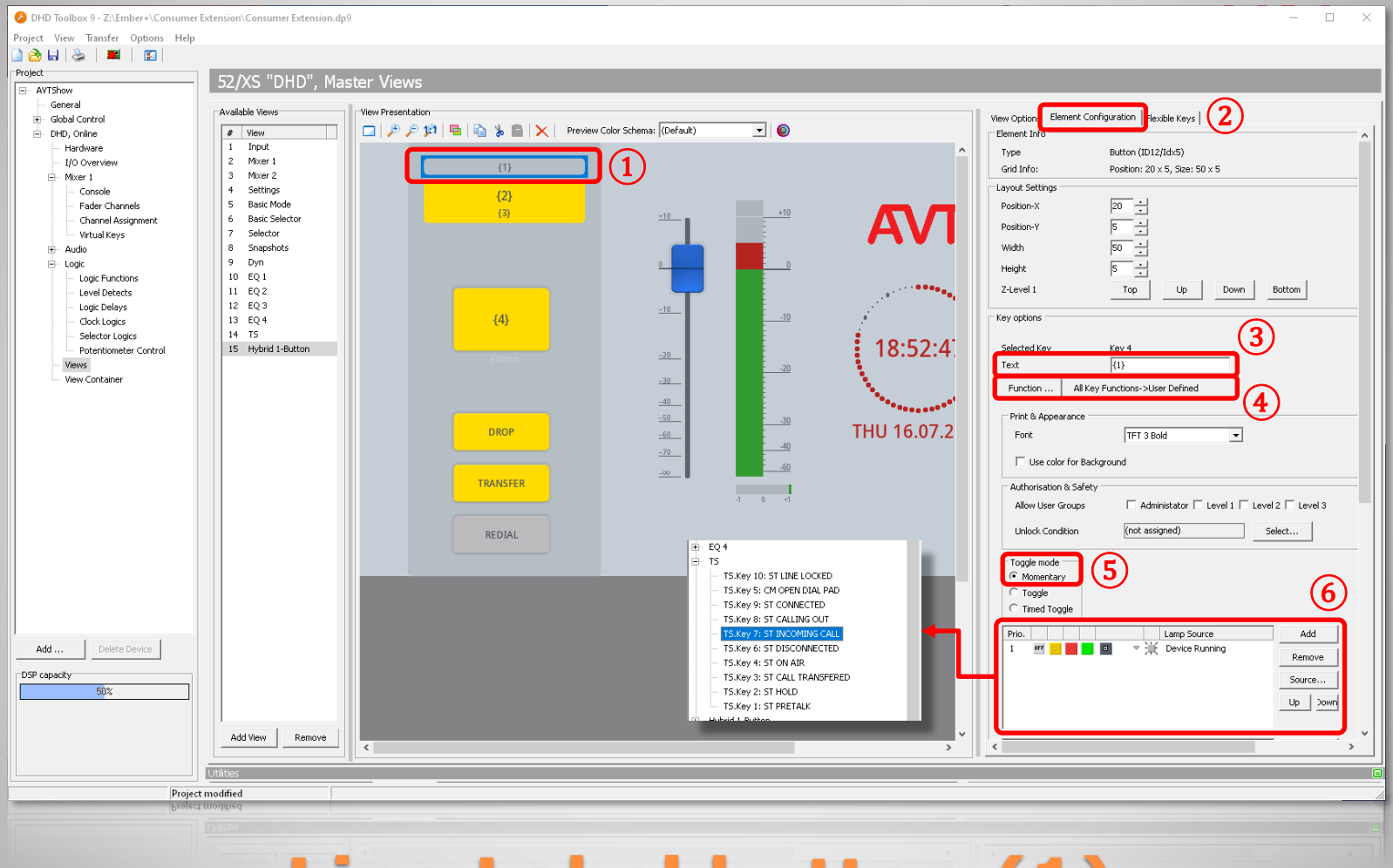
- The Virtual Key is configured under KEY OPTIONS ③:
  - TRIGGER LOGIC: Click on SELECT and select CM OPEN DIAL PAD from the View TS.
  - TEXT: Enter OpenNumberPad.
  - FUNCTION…: Click on SELECT and select SHOW KEYBOARD under TFT FUNCTIONS.
- Set the parameters of the Show Keyboard function ④:
  - FUNCTION: Set Global Label
  - LAYOUT: Number Pad
  - GLOBAL LABEL NR.: Dial Number



View Hybrid 1-Button (1)

- The user interface is defined in the View “Hybrid 1-Button”.
- To do so, select VIEWS ① in the DHD branch on the left side.
- Click the ADD button ② in the middle.
- This adds an empty view to the list ③.
- Select the view in the list and assign the name "Hybrid 1-Button" ④ on the right side under VIEW SETTINGS.
- Also on the right side, under AVAILABLE ELEMENTS, you will find all available elements that can be used in a view.
- Click and hold the BUTTON element and drag it to the drawing area ⑤.
- Create 7 buttons in this way.

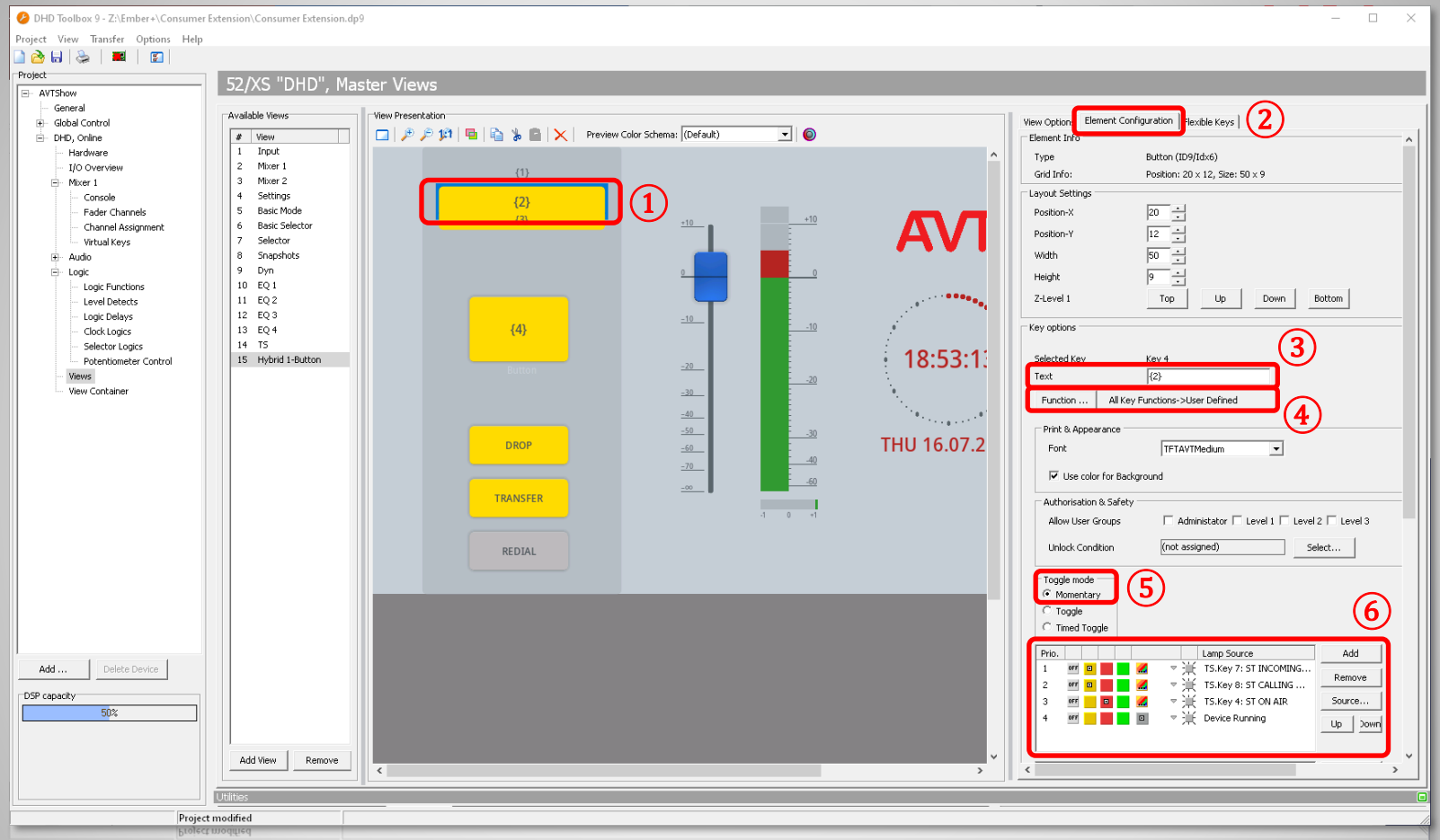
View Hybrid 1-Button (2)



Line Label button (1)

- The LINE LABEL button displays the text entered on the LINE LABELS configuration page of the telephone hybrid.
- Note that the placeholders (e.g. {lineid}) are not evaluated on the DHD mixing console.
- Place the first key at the top ①.
- Configure the button in the ELEMENT CONFIGURATION tab ② on the right.
- Enter "{1}" in the KEY OPTIONS section under TEXT ③. This links the key label to the global label with the number 1 (= LineLabel).
- Click on the FUNCTION... button ④ and select USER DEFINED.
- Set the TOGGLE MODE of the button to MOMENTARY ⑤.
- Define the button colour at ⑥.
  - Take care of the order. This determines the priority.
  - Select one of the predefined colours, or right-click a colour box to select a different colour.
  - Change the LAMP SOURCE with the right mouse button.
    - DEVICE RUNNING can be found directly in the menu under SET LAMP SOURCE = DEVICE RUNNING
    - The line states "ST..." can be found in the menu under SOURCE - TS.
- For the LINE LABEL button, set the colour to :
  - 1 : grey : DEVICE RUNNING

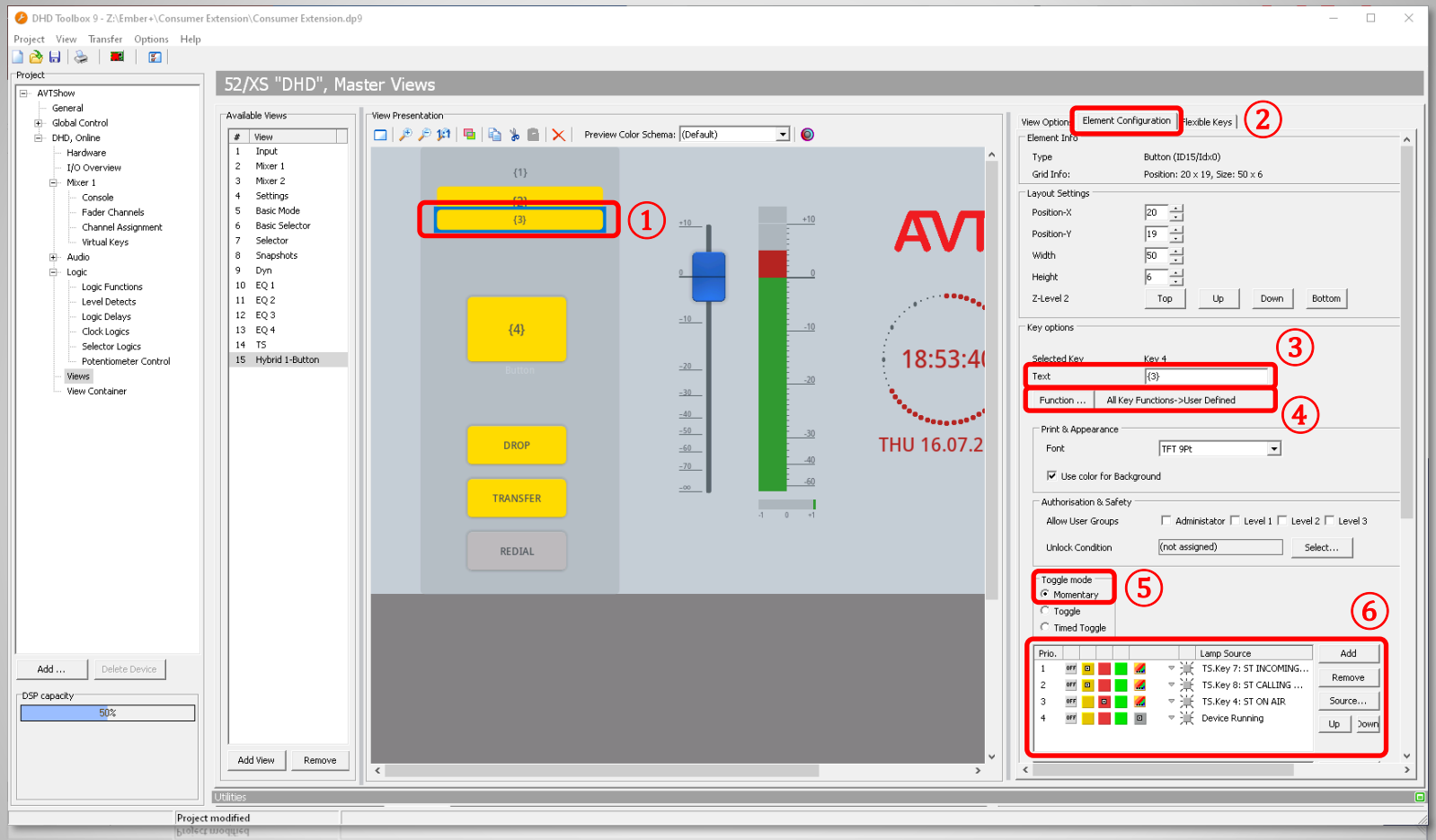
Line Label button (2)



Caller Info button (1)

- The CALLER INFO button displays the name of the caller.
- Place the button in the second position ①.
- Configure the button on the ELEMENT CONFIGURATION tab ② on the right.
- Enter the value "{2}" in the KEY OPTIONS section under TEXT ③ (Global Label 2 = CallerInfo).
- Click on the FUNCTION... button ④ and select USER DEFINED.
- TOGGLE MODE: MOMENTARY ⑤.
- Define the key colour at ⑥:
  - 1 : yellow : ST INCOMING CALL
  - 2 : yellow : ST CALLING
  - 3 : red : ST ON AIR
  - 4 : grey : DEVICE RUNNING

Caller Info button(2)

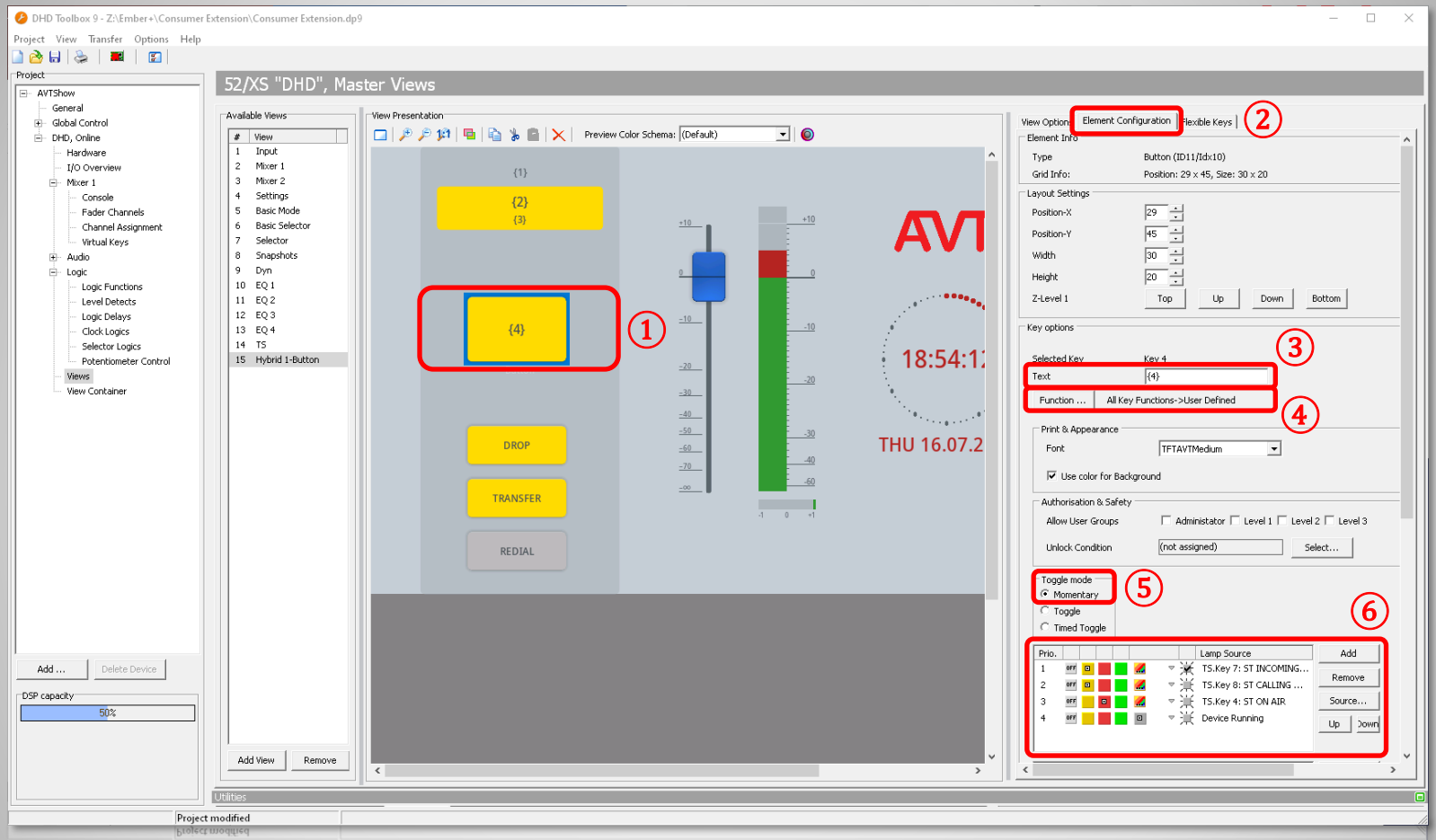


Phone Number button (1)

- The PHONE NUMBER button displays the caller's phone number.
- Place the button in the third position ①. You may slightly overlap the button with the CALLER INFO button to create the impression of a single info button.
- Configure the button on the ELEMENT CONFIGURATION tab ② on the right.
- In the KEY OPTIONS section under TEXT, enter the value "{3}" ③. (Global Label 3 = PhoneNumber).

- Click on the FUNCTION... button ④ and select USER DEFINED.
- TOGGLE MODE: MOMENTARY ⑤.
- Define the key colour at ⑥:
  - 1 : yellow : ST INCOMING CALL
  - 2 : yellow : ST CALLING
  - 3 : red : ST ON AIR
  - 4 : grey : DEVICE RUNNING

Phone Number button (2)

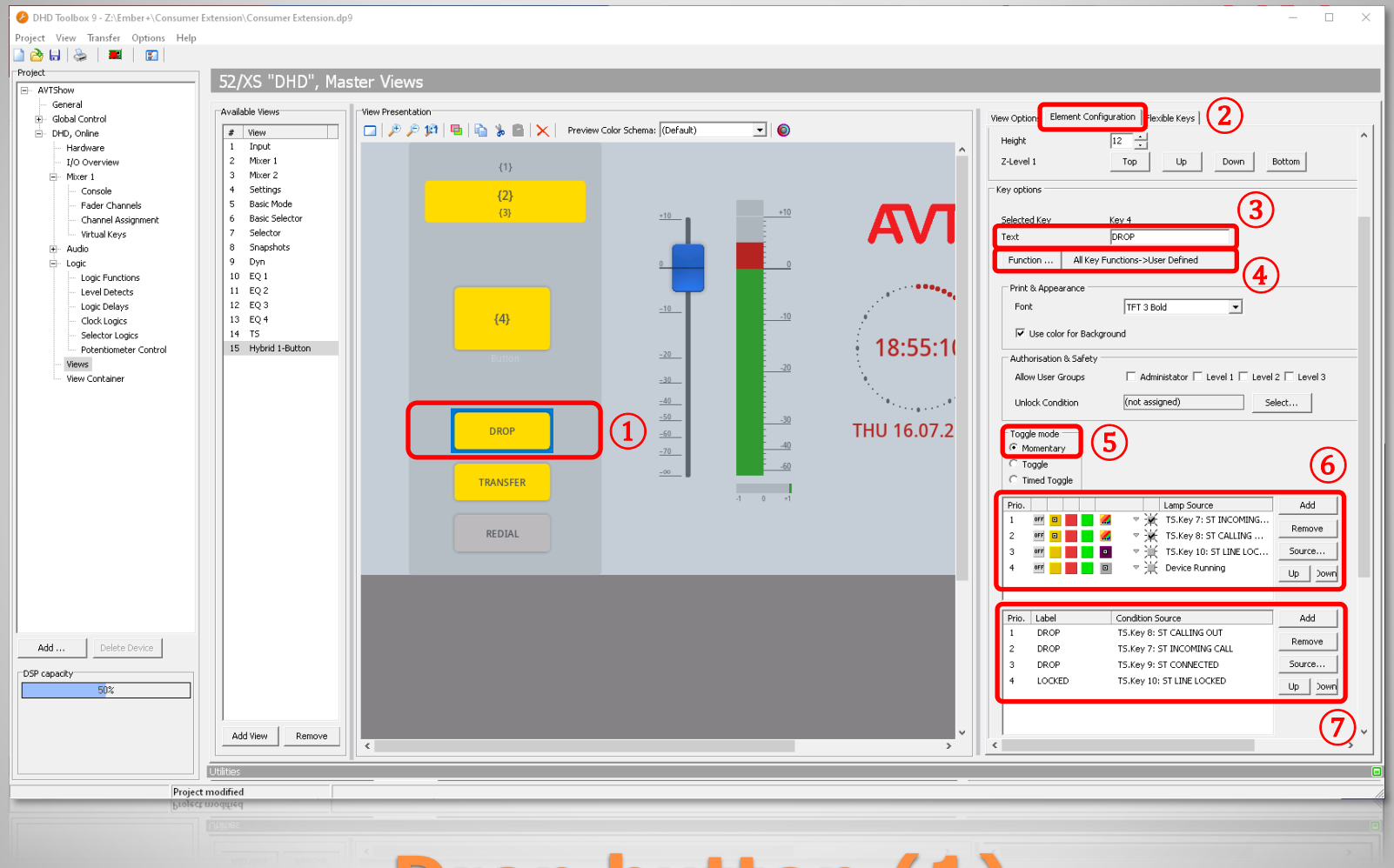


Call button (1)

- The CALL button is used to make or answer calls. The key labelling is set by the telephone hybrid depending on the state of the line.
- In the 1-button mode only the ON AIR FADER 1 audio interface of the EMBER+ CONSUMER EXTENSION configuration is used.
- Place the button in fourth position ①.
- Configure the button on the ELEMENT CONFIGURATION tab ② on the right .

- In the KEY OPTIONS section under TEXT, enter the value "{4}" ③. (Global Label 4 = ButtonLabel).
- Click on the FUNCTION... ④ button and select USER DEFINED.
- TOGGLE MODE: MOMENTARY ⑤.
- Define the button colour at ⑥:
  - 1 : yellow : flashing : ST INCOMING CALL
  - 2 : yellow : ST CALLING
  - 3 : red : ST ON AIR
  - 4 : grey : DEVICE RUNNING

Call button (2)

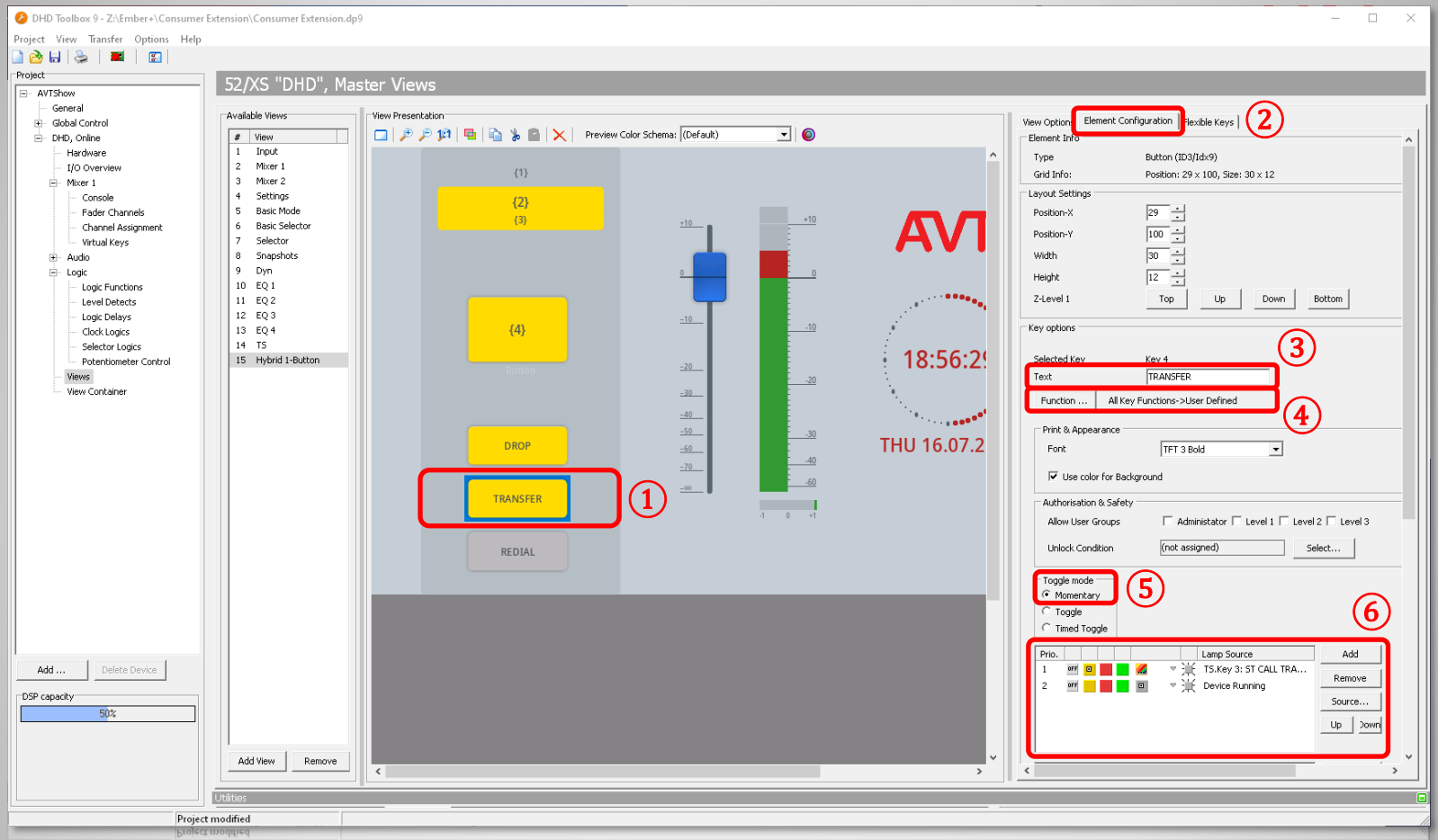


Drop button (1)

- The DROP button is used to end a call.
- Arrange the button in fifth position ①.
- Configure the button on the ELEMENT CONFIGURATION tab ② on the right.
- In the KEY OPTIONS section under TEXT, enter the value "DROP" ③.
- Click on the FUNCTION... button ④ and select USER DEFINED.
- TOGGLE MODE: MOMENTARY ⑤.

- Define the key colour at ⑥:
  - 1 : yellow : flashing : ST INCOMING CALL
  - 2 : yellow : flashing : ST CALLING
  - 3 : purple : flashing : ST LINE LOCKED
  - 4 : grey : DEVICE RUNNING
- Define the key labelling at ⑦:
  - DROP : ST CALLING OUT
  - DROP : ST INCOMING CALL
  - DROP : ST CONNECTED
  - LOCKED : ST - LINE LOCKED

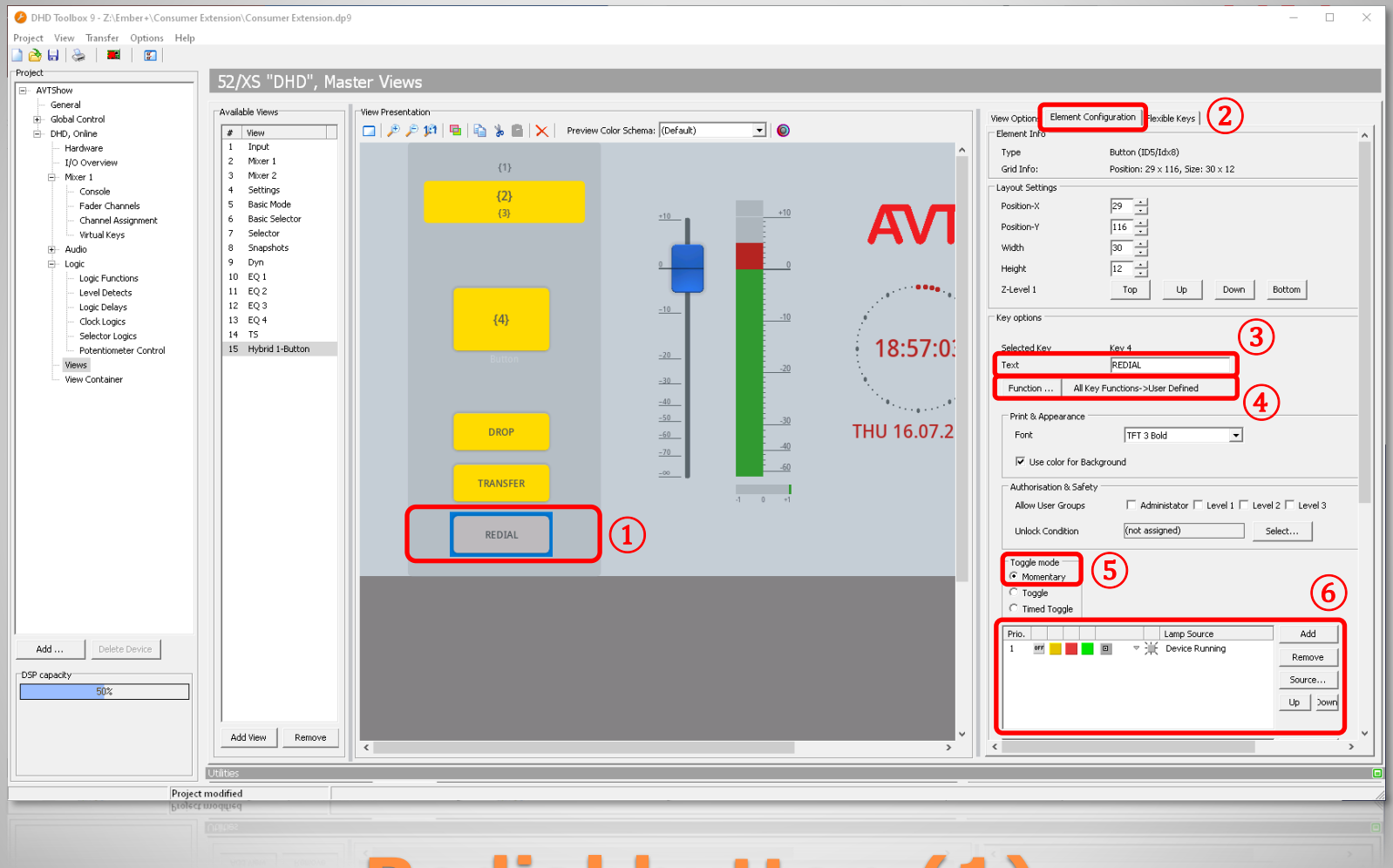
Drop button (2)



Transfer button (1)

Transfer button (2)

- The TRANSFER button is used to transfer calls.
- Arrange the button in the sixth position ①.
- Configure the button on the ELEMENT CONFIGURATION tab ② on the right.
- In the KEY OPTIONS section under TEXT, enter the value "TRANSFER" ③.
- Click on the FUNCTION... button ④ and select USER DEFINED.
- TOGGLE MODE: MOMENTARY ⑤.
- Define the button colour at ⑥:
  - 1 : yellow : ST CALL TRANSFERRED
  - 2 : grey : DEVICE RUNNING



Redial button (1)

- The REDIAL button is used to dial the last number again.
- Move the button to the seventh position ①.
- Configure the button on the ELEMENT CONFIGURATION tab ② on the right.
- Enter "REDIAL" in the KEY OPTIONS section under TEXT ③.
- Click on the FUNCTION... button ④ and select USER DEFINED.
- TOGGLE MODE: MOMENTARY ⑤.
- Define the button colour at ⑥:
  - 1 : grey : DEVICE RUNNING

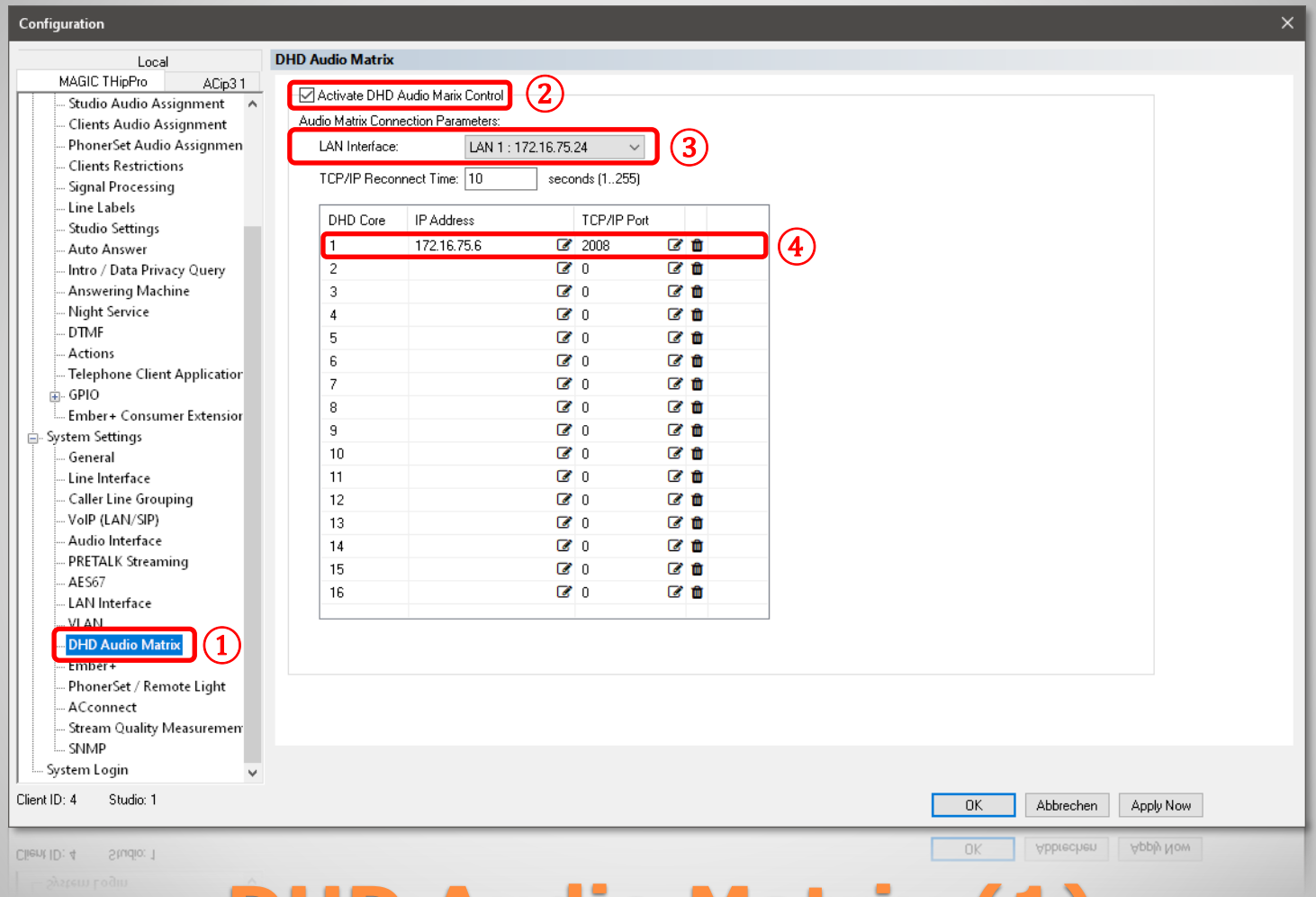
Redial button (2)

Ember+ Consumer Extension

Configuration of the MAGIC telephone hybrid using the respective PC Software

MAGIC THipPro
MAGIC TH6
MAGIC TH2plus

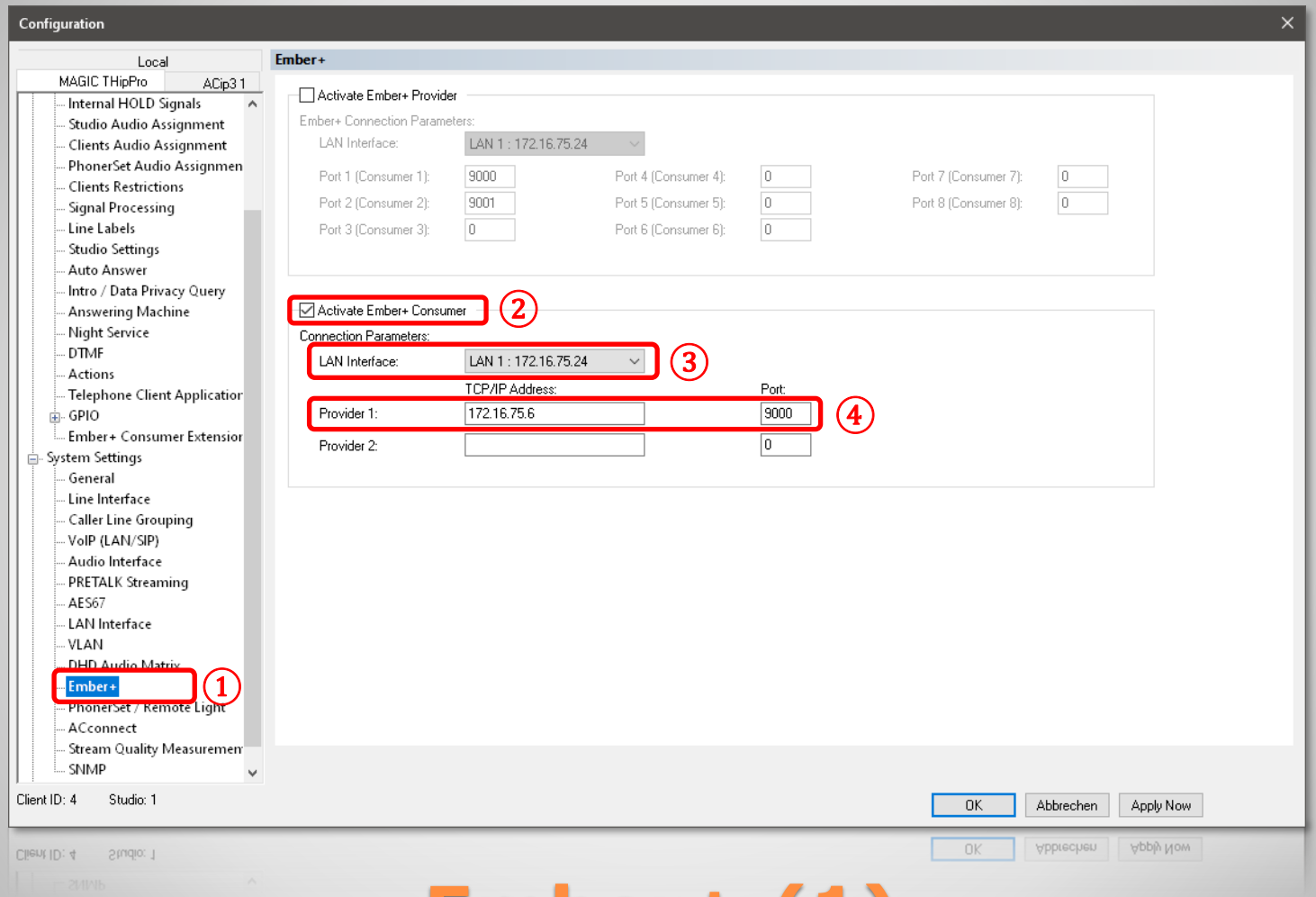
Audio
Video
Technologies



DHD Audio Matrix (1)

DHD Audio Matrix (2)

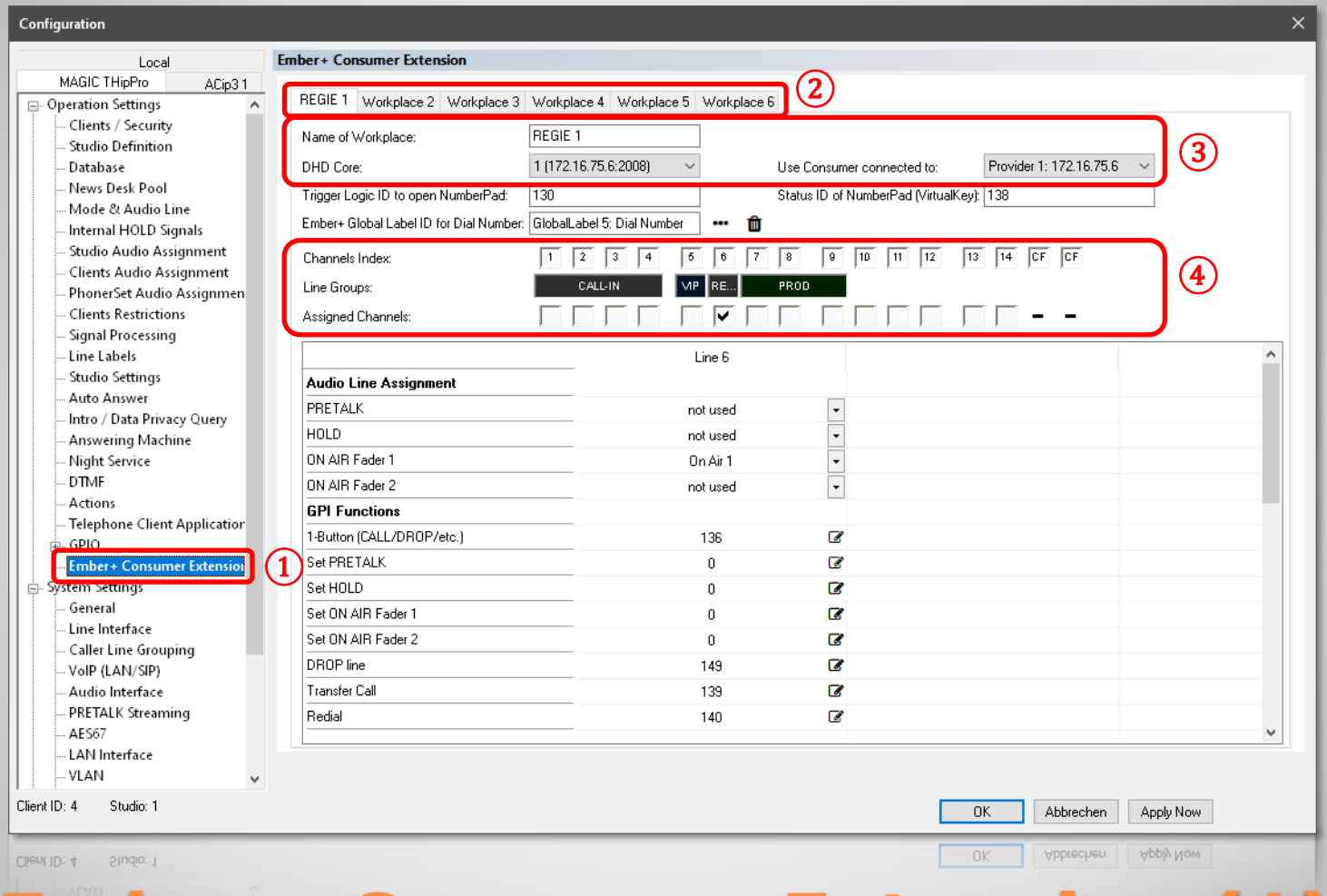
- To configure the telephone hybrid, start the respective PC software.
- Open the settings under MENU - CONFIGURATION - SYSTEM.
- The DHD Set Logic protocol is used to exchange commands between the mixing console and the telephone hybrid.
- Select the DHD AUDIO MATRIX page under SYSTEM SETTINGS on the left ①.
- Check ACTIVATE DHD AUDIO MATRIX CONTROL ② to be able to connect to a DHD core.
- Select the LAN INTERFACE of the telephone hybrid which is connected to the DHD core ③.
- Enter the IP address of the DHD core in the list ④.


Configuration
Local
MAGIC THipPro
ACip3 1
Internal HOLD Signals
Studio Audio Assignment
Clients Audio Assignment
PhonerSet Audio Assignmen
Clients Restrictions
Signal Processing
Line Labels
Studio Settings
Auto Answer
Intro / Data Privacy Query
Answering Machine
Night Service
DTMF
Actions
Telephone Client Applicatior
GPIO
Ember+ Consumer Extensior
System Settings
General
Line Interface
Caller Line Grouping
VoIP (LAN/SIP)
Audio Interface
PRETALK Streaming
AES67
LAN Interface
VLAN
DHD Audio Matrix
Ember+
PhonerSet / Remote Light
ACconnect
Stream Quality Measuremen
SNMP
Client ID: 4
Studio: 1
Ember+
Activate Ember+ Provider
Ember+ Connection Parameters:
LAN Interface:
LAN 1 : 172.16.75.24
Port 1 (Consumer 1):
9000
Port 2 (Consumer 2):
9001
Port 3 (Consumer 3):
0
Port 4 (Consumer 4):
0
Port 5 (Consumer 5):
0
Port 6 (Consumer 6):
0
Port 7 (Consumer 7):
0
Port 8 (Consumer 8):
0
Activate Ember+ Consumer
2
Connection Parameters:
LAN Interface:
LAN 1 : 172.16.75.24
3
TCP/IP Address:
Port:
Provider 1:
172.16.75.6
9000
4
Provider 2:
0
1
OK
Abbrechen
Apply Now

Ember+ (1)

- The Ember+ protocol is used to exchange text information between the mixing console and the telephone hybrid.
- The mixing console acts as Ember+ provider, the telephone hybrid acts as Ember+ consumer.
- Select EMBER+ under SYSTEM SETTINGS on the left ①.
- Check ACTIVATE EMBER+ CONSUMER ② to connect to a DHD core using Ember+.
- Select the LAN INTERFACE of the telephone hybrid which is connected to the DHD core ③.
- Enter the IP address and the port of the Ember+ provider of the DHD core ④.

Ember+ (2)

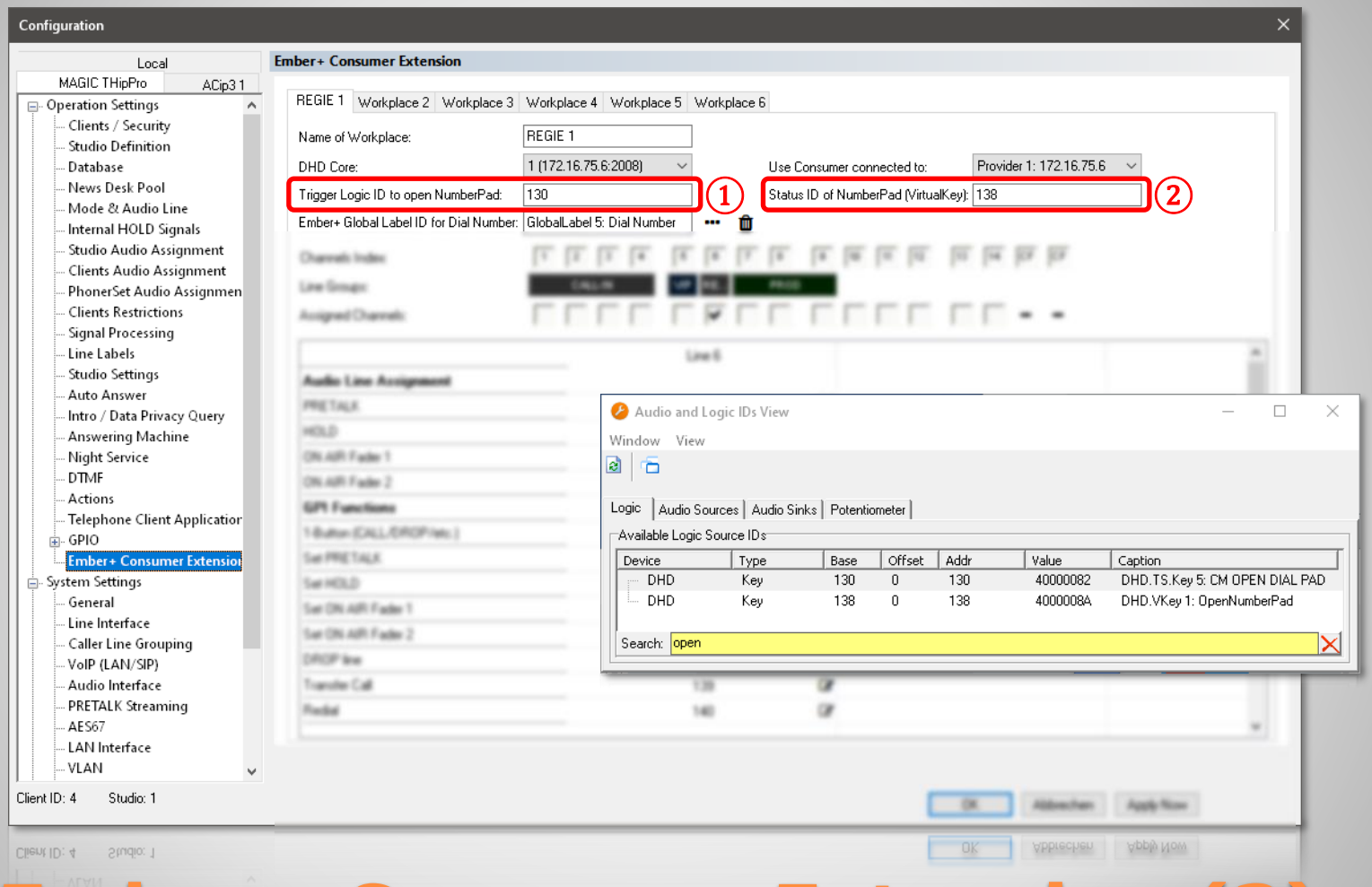


Ember+ Consumer Extension (1)

- For each telephone line to be controlled by a mixing console, the DHD SetLogic IDs and Ember+ paths must be configured.
- There is a separate settings page for each mixing console / workplace.
- Select EMBER+ CONSUMER EXTENSION ① on the left under SYSTEM SETTINGS.
- At the top, select the tab of the desired mixing console from ②.

- Configure the basic settings of the workplace ③:
  - NAME OF WORKPLACE: Assign a label here.
  - DHD CORE: Select the DHD core to which the mixing console is connected.
  - USE CONSUMER CONNECTED TO: Select the DHD core that acts as the Ember+ provider for the mixing console.
- Specify which lines of the telephone hybrid should be controlled from this mixing console ④.
  - A line can only be assigned to one workplace at a time. It is not possible to share a line between several mixing consoles.

Ember+ Consumer Extension (2)

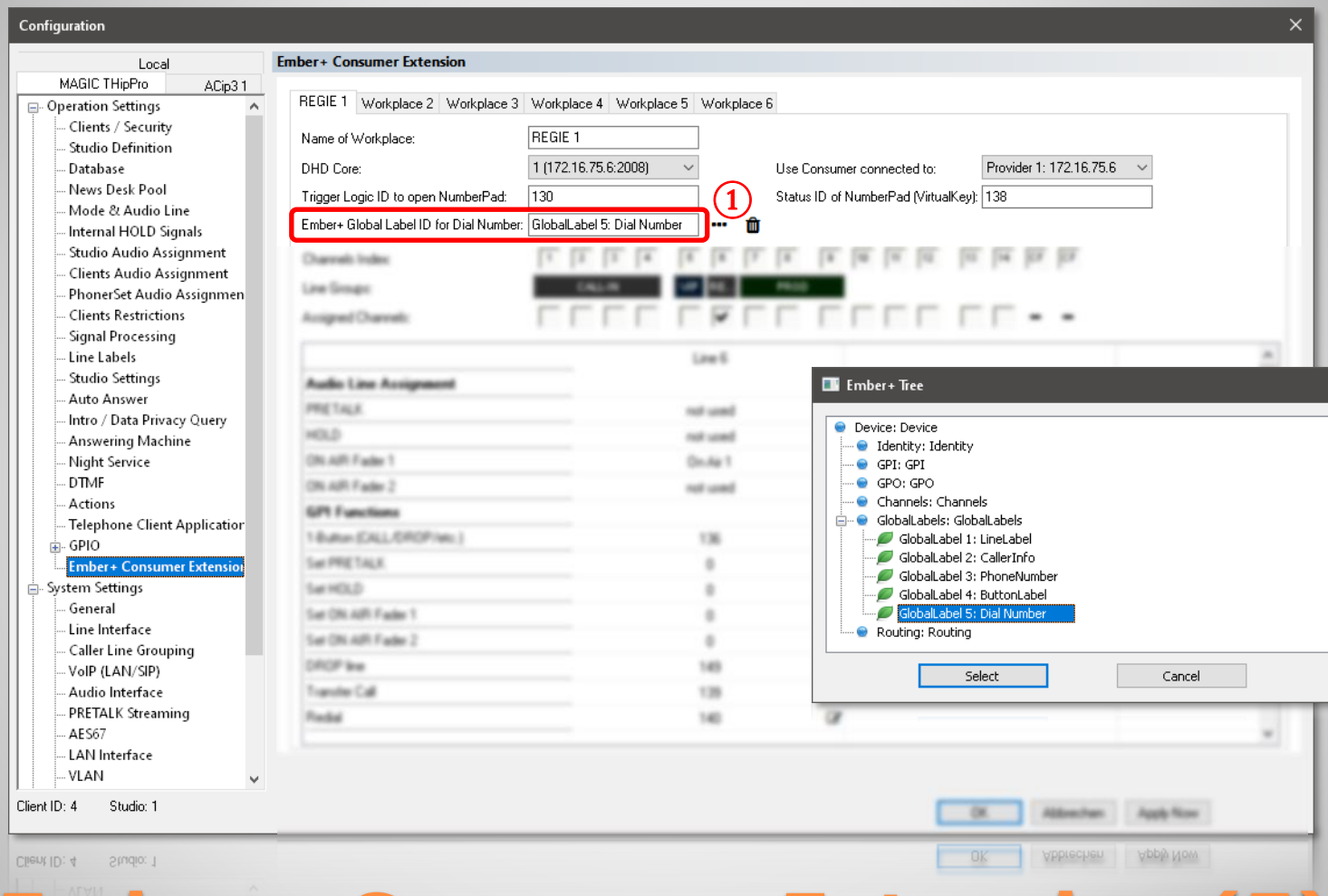


Ember+ Consumer Extension (3)

- There are up to 21 DHD SetLogic IDs per line.
- The PC software "DHD Toolbox" helps to list the relevant IDs via the search function in the list of the available IDs.
- Open VIEW - AVAILABLE AUDIO LOGIC IDS in "DHD Toolbox".
- Press any button on your keyboard to open the filter bar.
- Enter "open" as the filter.

- The DHD SetLogic ID can be read in the ADDR column.
- Enter the IDs to control the keypad in the EMBER+ CONSUMER EXTENSION configuration page of the telephone hybrid:
  - TRIGGER LOGIC ID TO OPEN NUMBERPAD: DHD SetLogic ID of the CM OPEN DIAL PAD button
  - STATUS ID OF NUMBERPAD (VIRTUAL KEY): DHD SetLogic ID of the Virtual Key OpenNumberPad.

Ember+ Consumer Extension (4)

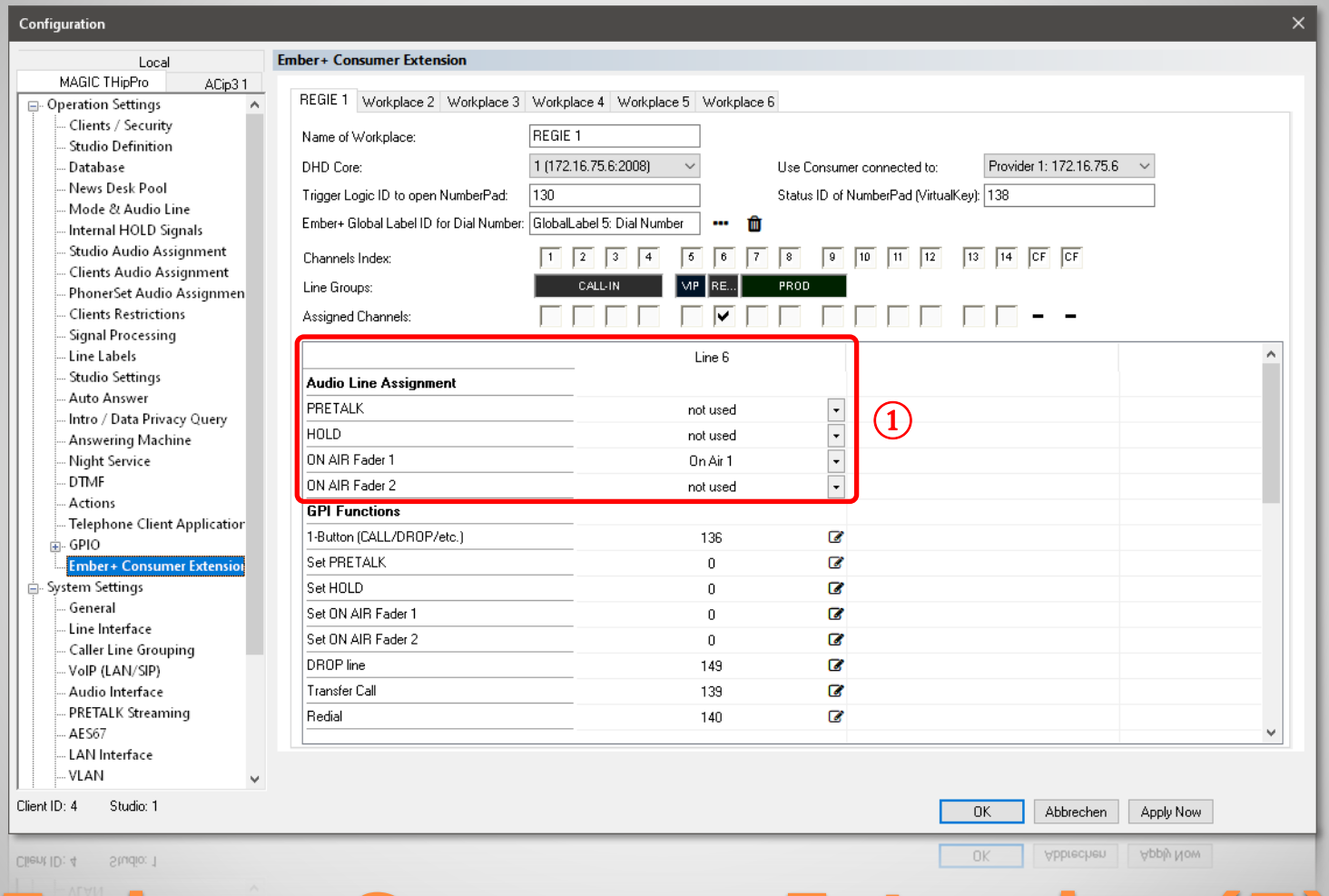


Ember+ Consumer Extension (5)

- Elements from the Ember+ tree of the connected Ember+ provider can be selected directly in the MAGIC PC software.
- Click on the three dots next to an Ember+ configuration field.
  - In a separate window the Ember+ tree of the selected Ember+ provider is displayed.
  - Click on an element to expand it.
  - Click on SELECT to transfer the selected element into the configuration field.
- Click on the trash can icon to delete the respective entry.

- EMBER+ GLOBAL LABEL ID FOR DIAL NUMBER ①: Select the GLOBAL LABEL 5: DIAL NUMBER item in the Ember+ tree of the mixer.
  - This element is used to transfer the phone number entered by the user to the telephone hybrid.

Ember+ Consumer Extension (6)

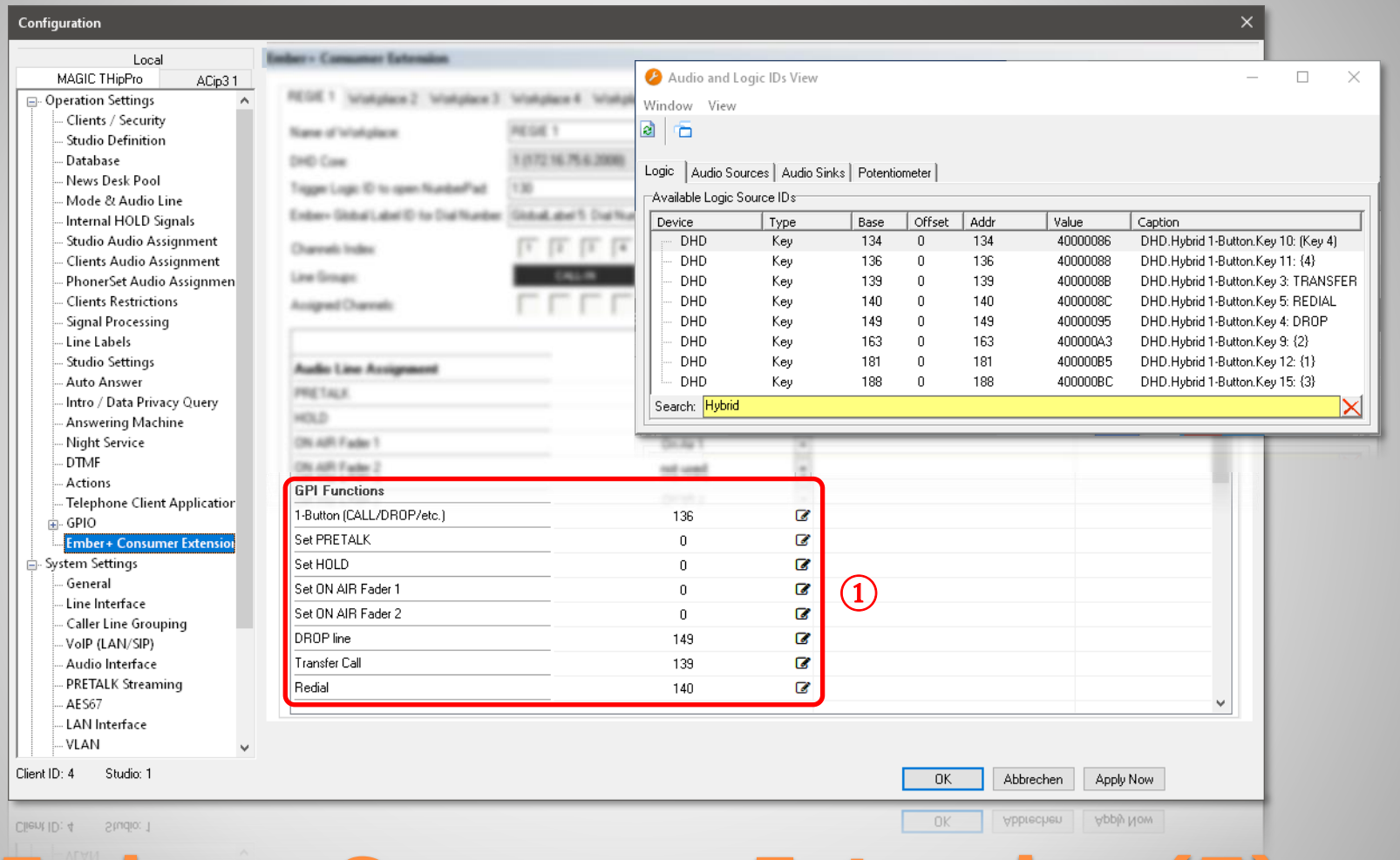


Ember+ Consumer Extension (7)

- There is a column for each telephone line int the table.
- For each line a set of DHD SetLogic IDs and Ember+ elements must be entered.
- The column header shows the respective line number.

- Under AUDIO LINE ASSIGNMENT ① the functions PRETALK, HOLD and ON AIR FADER 1/2 are assigned to an audio line.
  - Check the MODE & AUDIO LINE ASSIGNMENT configuration page to assign the audio lines to an audio interface.
- Only the audio line ON AIR FADER 1 is required in 1-button mode.

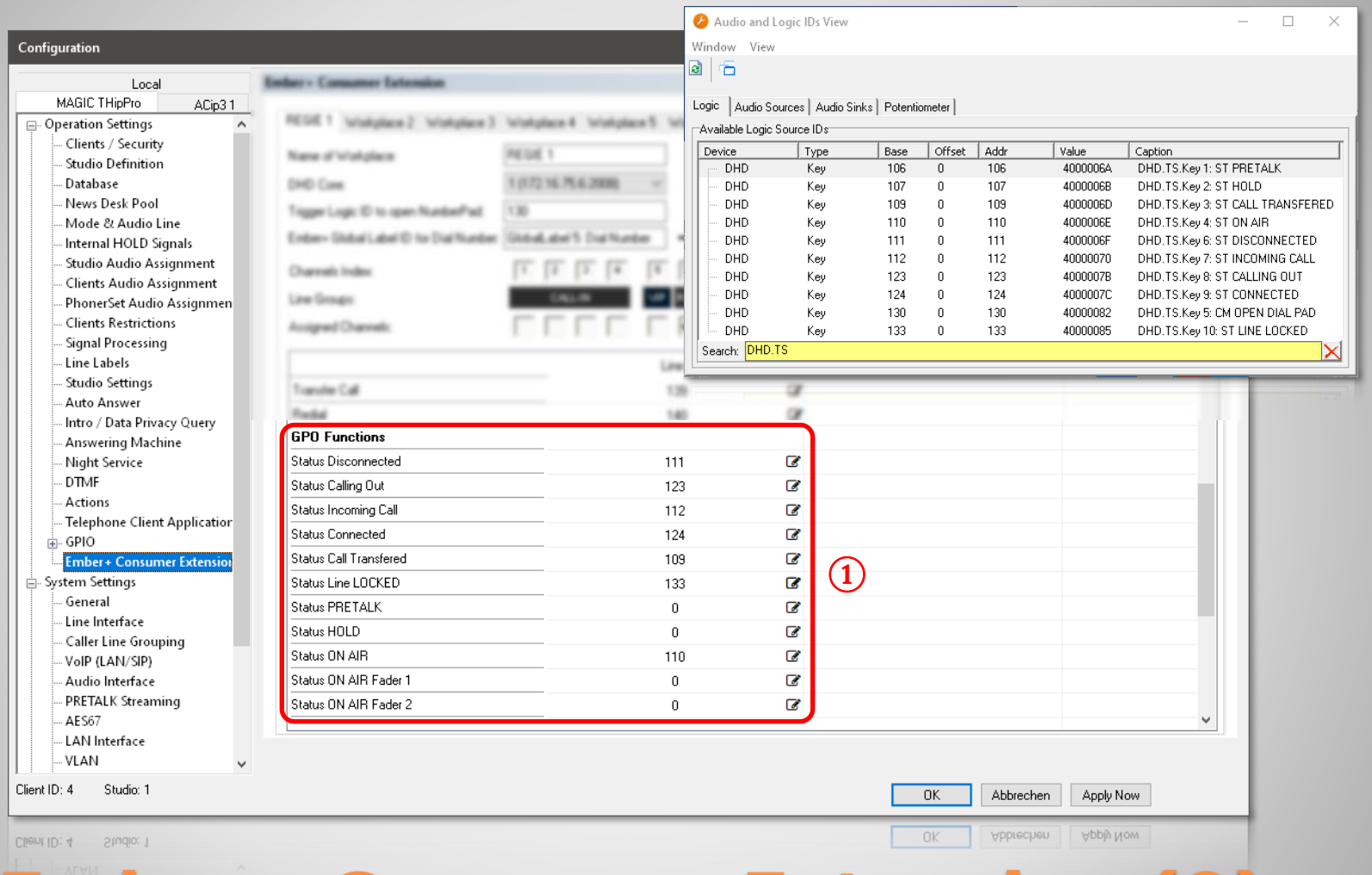
Ember+ Consumer Extension (8)



Ember+ Consumer Extension (7)

- Enter the DHD SetLogic IDs for controlling the telephone line in the GPI FUNCTIONS section ①.
- In the view of the available Audio Logic IDs of the DHD Toolbox, filter to "Hybrid" to display the buttons of the "Hybrid 1-Button" view.
- 1-BUTTON (CALL/DROP/ETC.): Enter the ID of the button labelled {4}. This is used to make or answer calls.
- SET PRETALK, HOLD, ON AIR FADER 1/2: These entries may be used to display buttons for pretalk, hold and a second on air on the mixing console. In 1-button mode these entries remain blank.
- DROP LINE: Enter the ID of the button labelled DROP. This is used to drop connections or block the line.
- TRANSFER CALL: Enter the ID of the button labelled TRANSFER. Calls are forwarded via this button.
- REDIAL: Enter the ID of the button labelled REDIAL.

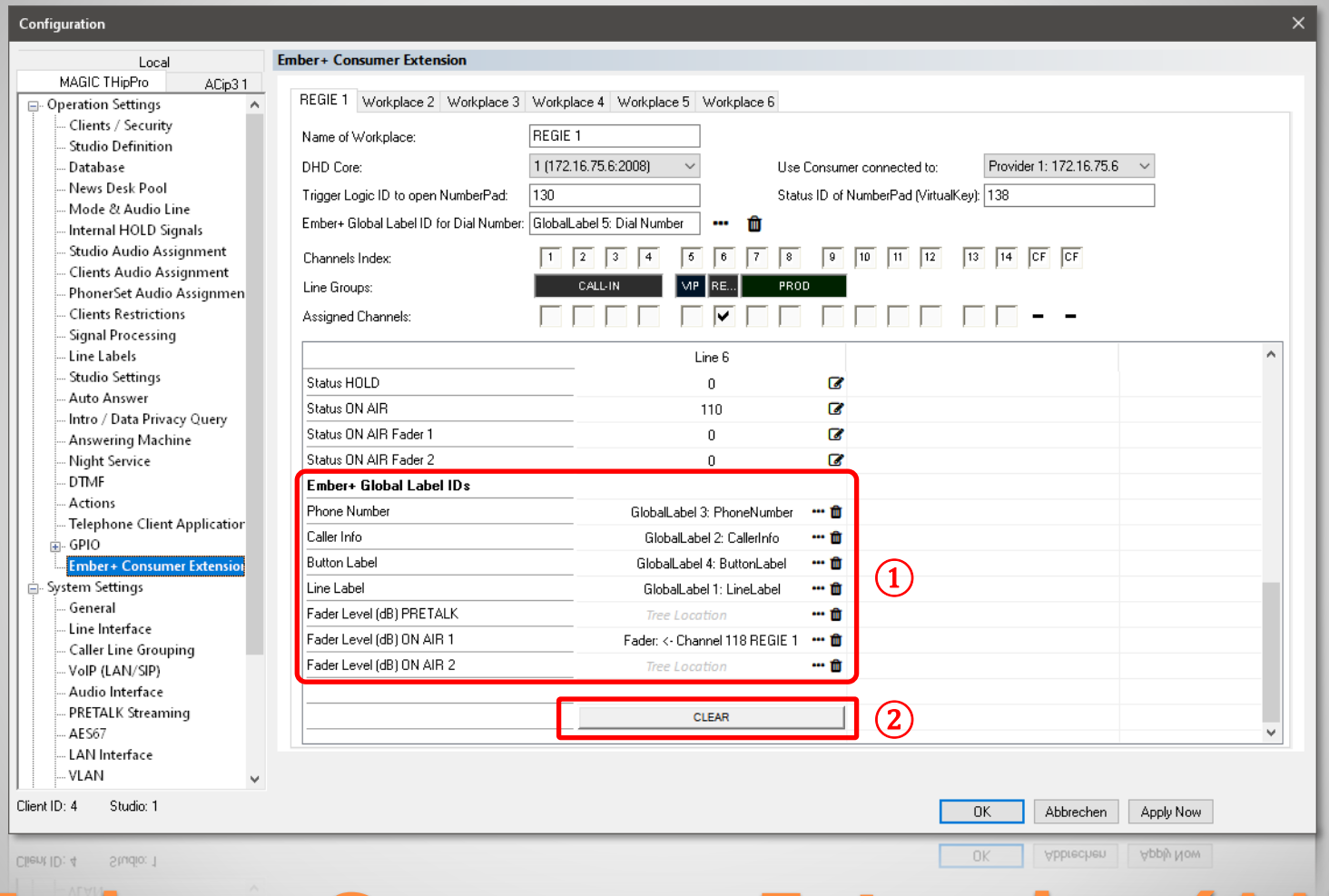
Ember+ Consumer Extension (8)



Ember+ Consumer Extension (9)

- Enter the DHD SetLogic IDs for displaying the line state on the mixing console in the GPO FUNCTIONS ① section.
- In the view of the available Audio Logic IDs of the DHD Toolbox, filter for "DHD.TS" to display the buttons of the view "TS".
- STATUS DISCONNECTED: Enter the ID of the button labelled ST DISCONNECTED.
- STATUS CALLING OUT:
  ST CALLING OUT.
- STATUS INCOMING CALL:
  ST INCOMING CALL
- STATUS CONNECTED:
  ST CONNECTED
- STATUS CALL TRANSFERRED:
  ST CALL TRANSFERRED
- STATUS LINE LOCKED:
  ST LINE LOCKED
- STATUS ON AIR:
  ST ON AIR
- STATUS PRETALK, HOLD, ON AIR FADER 1/2: These entries may be used to display the state of the buttons for pretalk, hold and a second on air on the mixing console. In 1-button mode these entries remain blank.

Ember+ Consumer Extension (10)



Ember+ Consumer Extension (11)

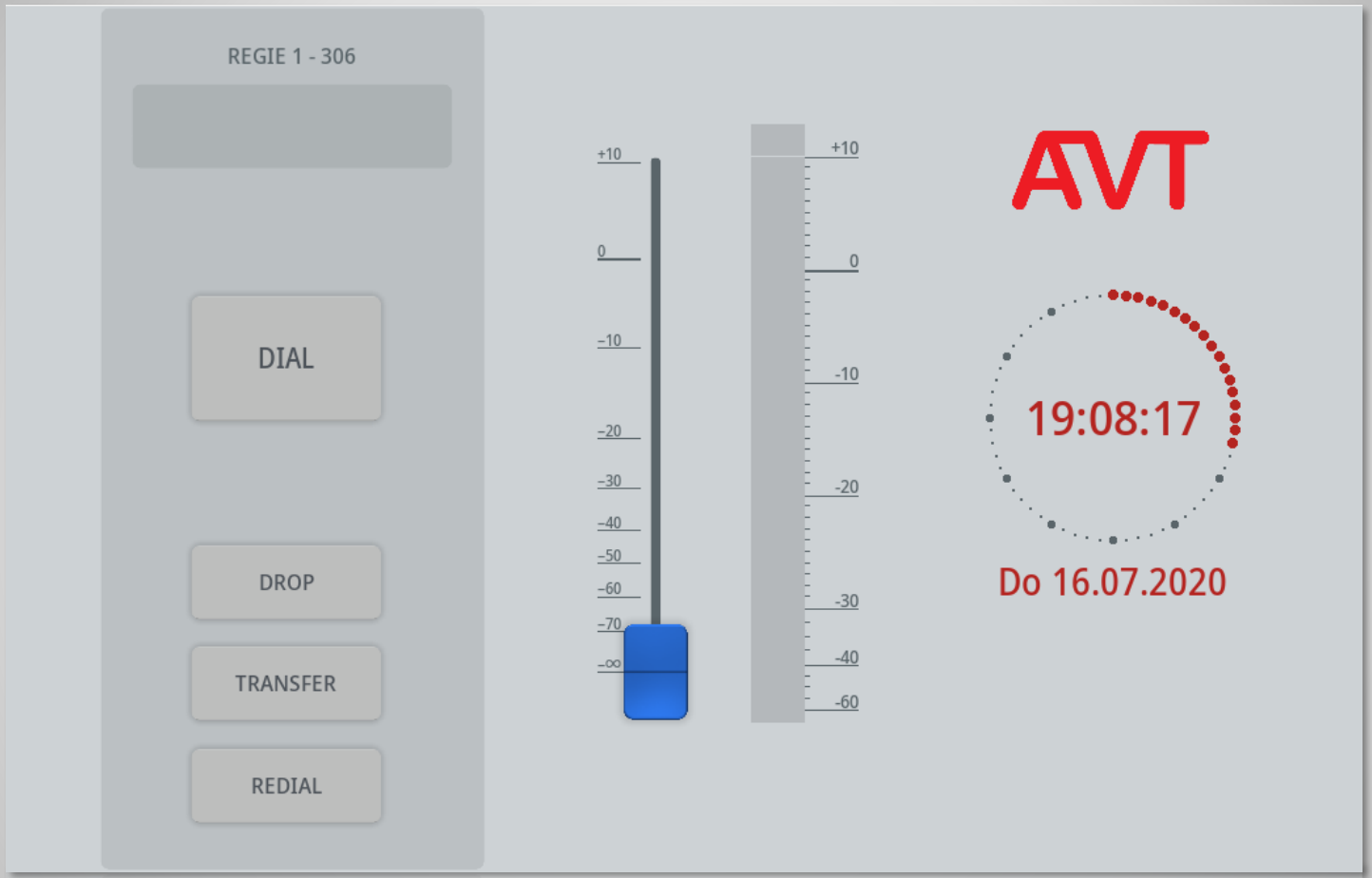
- Select the Ember+ elements for transmitting line-related information in the EMBER+ GLOBAL LABEL IDs section ①.
- PHONE NUMBER: In the Ember+ tree select the Global Label entry with the name PHONENUMBER.
- CALLER INFO:
  GLOBAL LABEL CALLER INFO
- BUTTON LABEL:
  GLOBAL LABEL BUTTON LABEL
- LINE LABEL:
  GLOBAL LABEL LINE LABEL

- FADER LEVEL (DB) PRETALK, ON AIR 1/2: Select the entry of the fader level of the corresponding audio interface in the Ember+ tree. Using this function, the telephone hybrid sets the level of the fader to 0 dB when a caller is switched to this audio line via the mixing console.
- Use the CLEAR button below the line to clear all settings.
- If multiple lines are activated, the MOVE buttons can be used to move the settings to other lines.

Ember+ Consumer Extension (12)

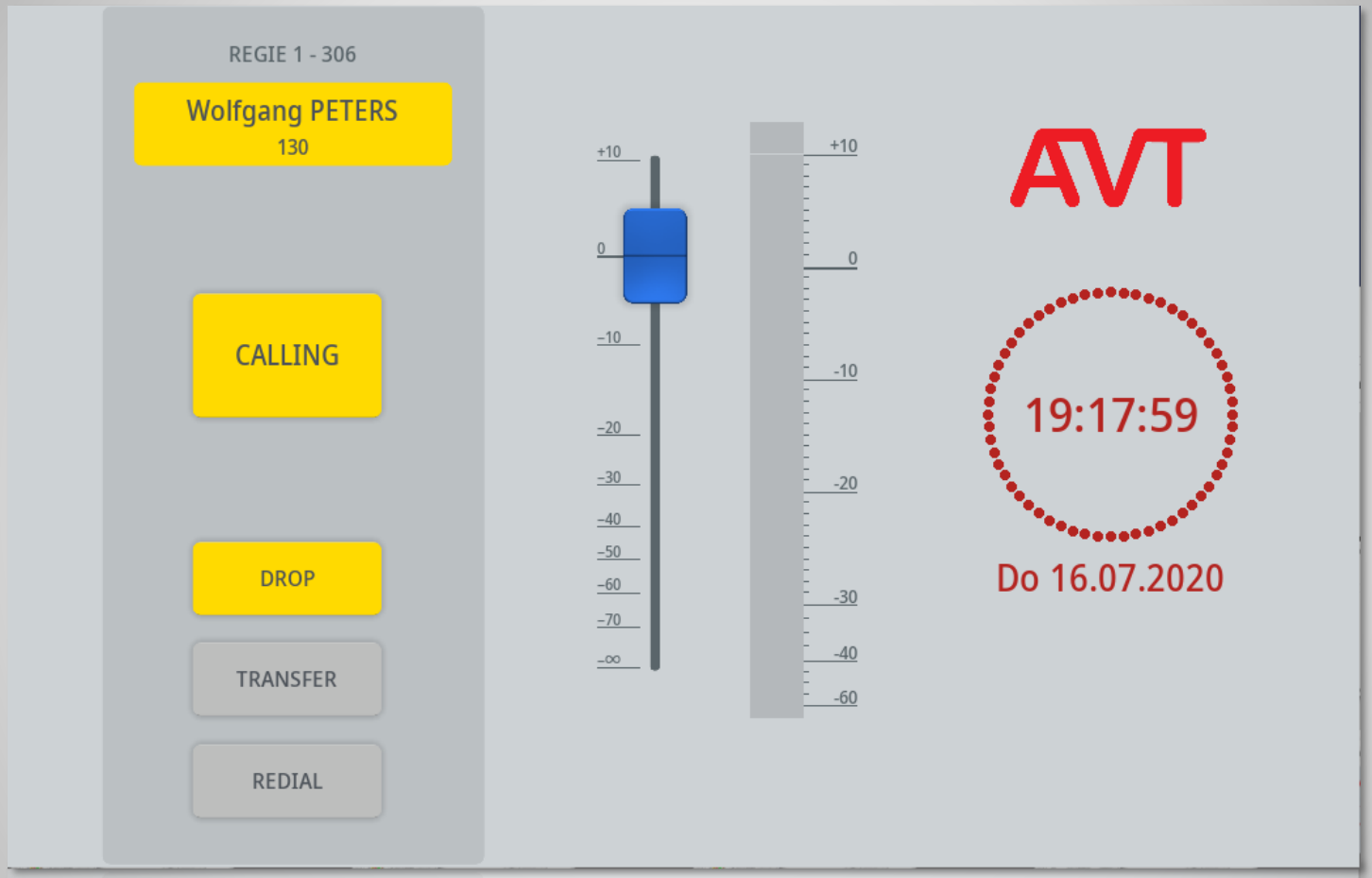
Ember+ Consumer Extension

Display on DHD 52/TX mixing console

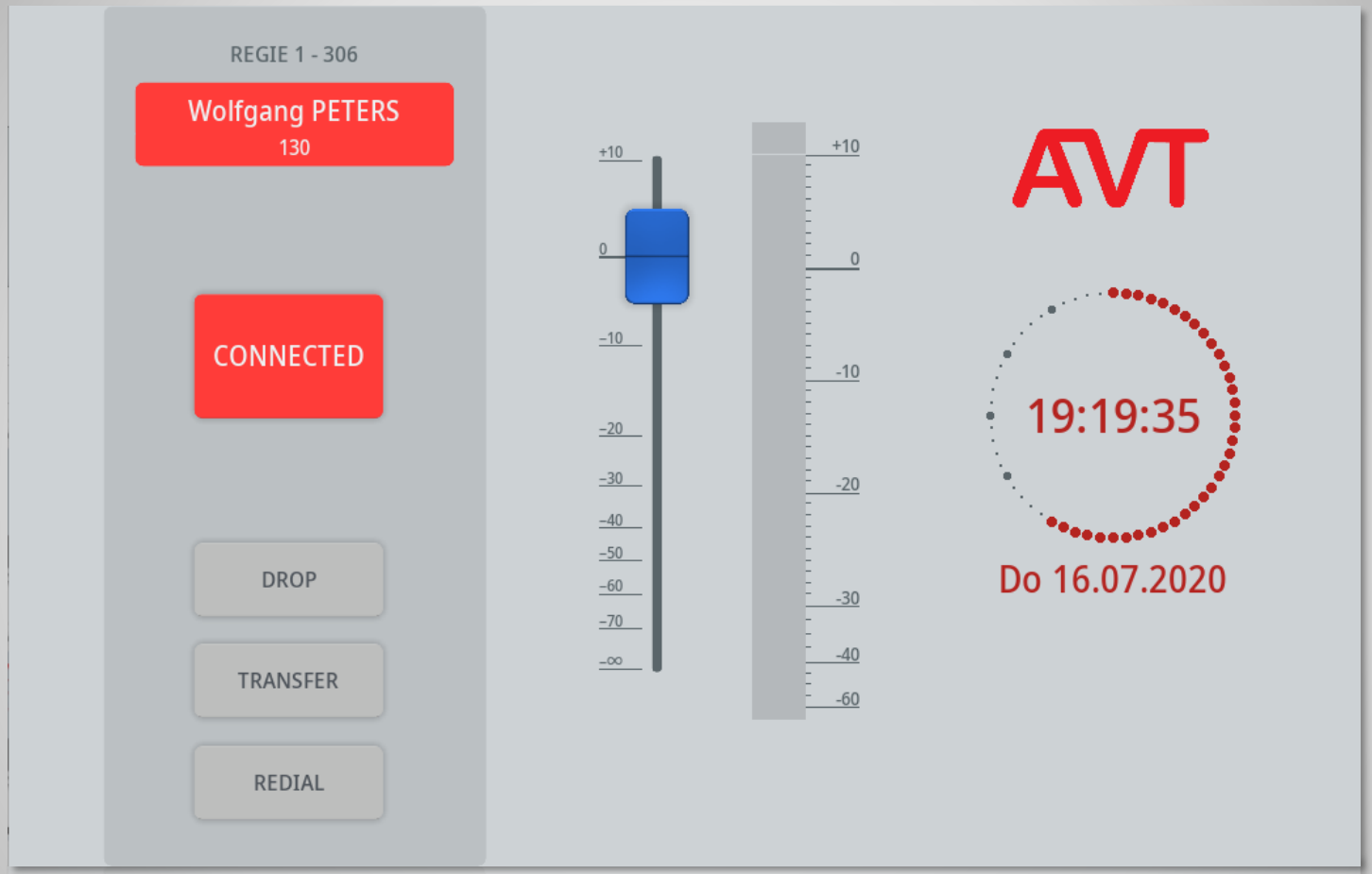

REGIE 1 - 306
DIAL
DROP
TRANSFER
REDIAL
+10
0
-10
-20
-30
-40
-50
-60
-70
-∞
+10
0
-10
-20
-30
-40
-60
19:08:17
Do 16.07.2020

Idle

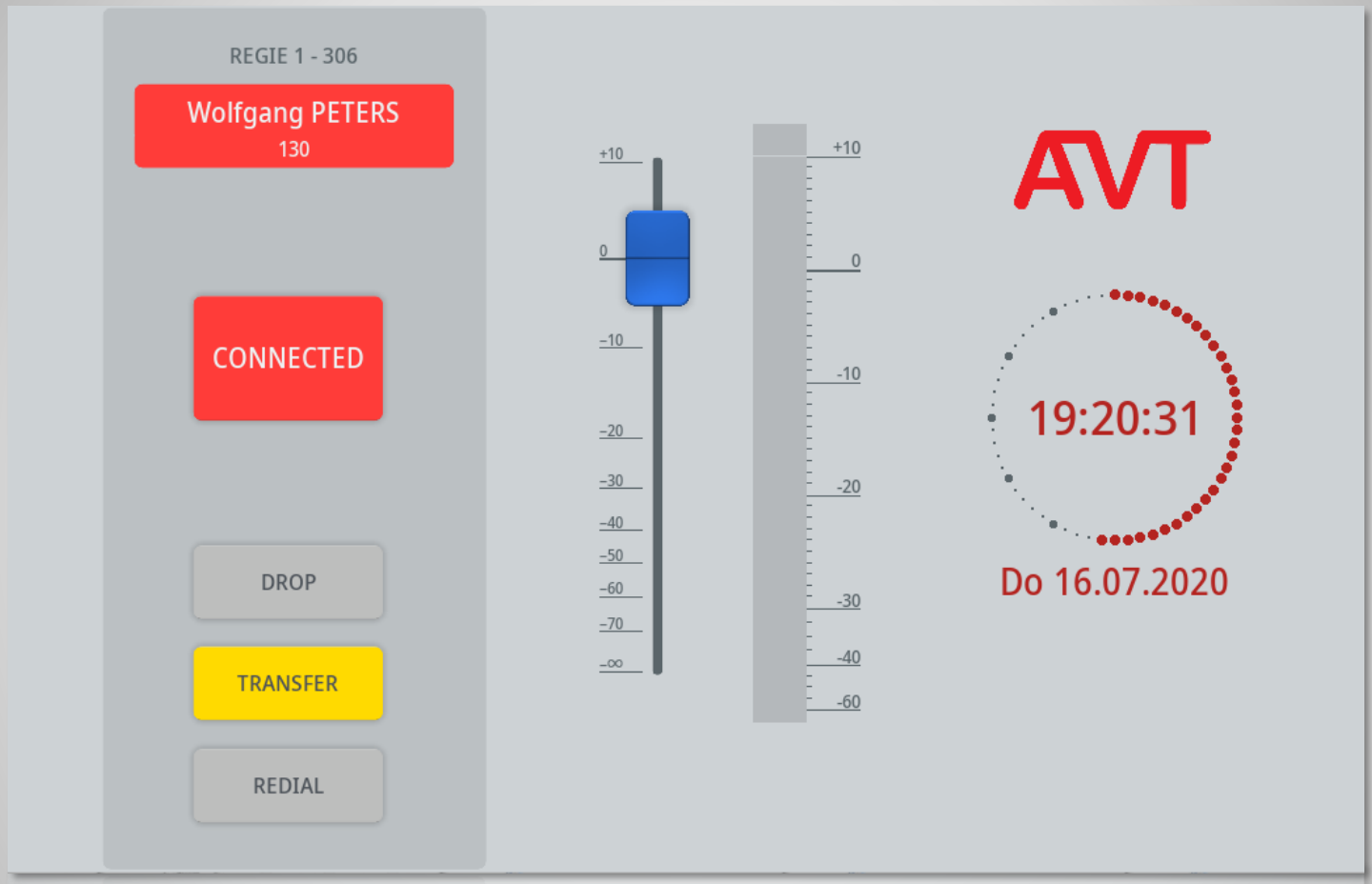
DIAL → Enter phone number


REGIE 1 - 306
Wolfgang PETERS
130
CALLING
DROP
TRANSFER
REDIAL
+10
0
-10
-20
-30
-40
-50
-60
-70
-∞
+10
0
-10
-20
-30
-40
-60
AVT
19:17:59
Do 16.07.2020

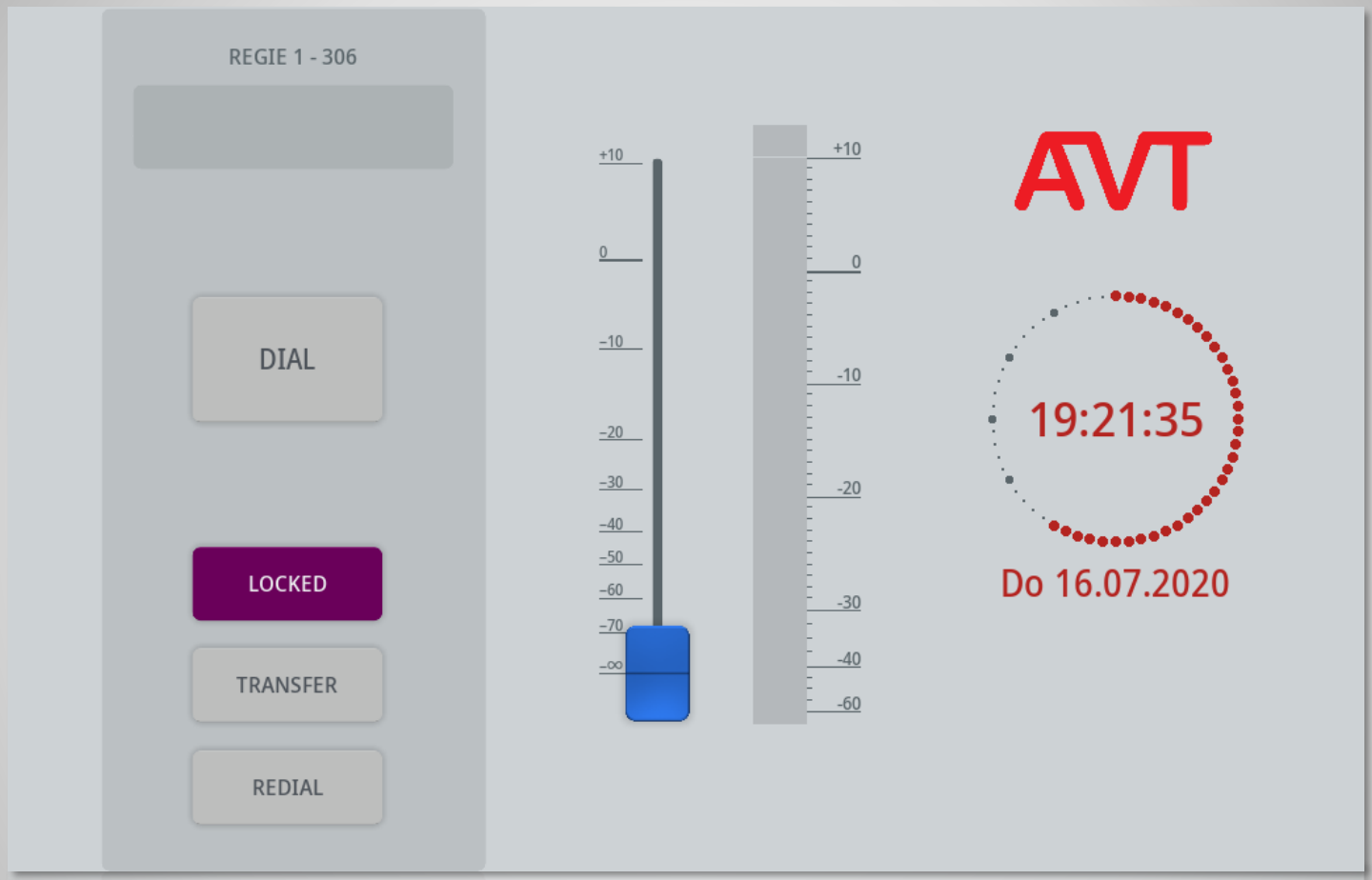
Calling



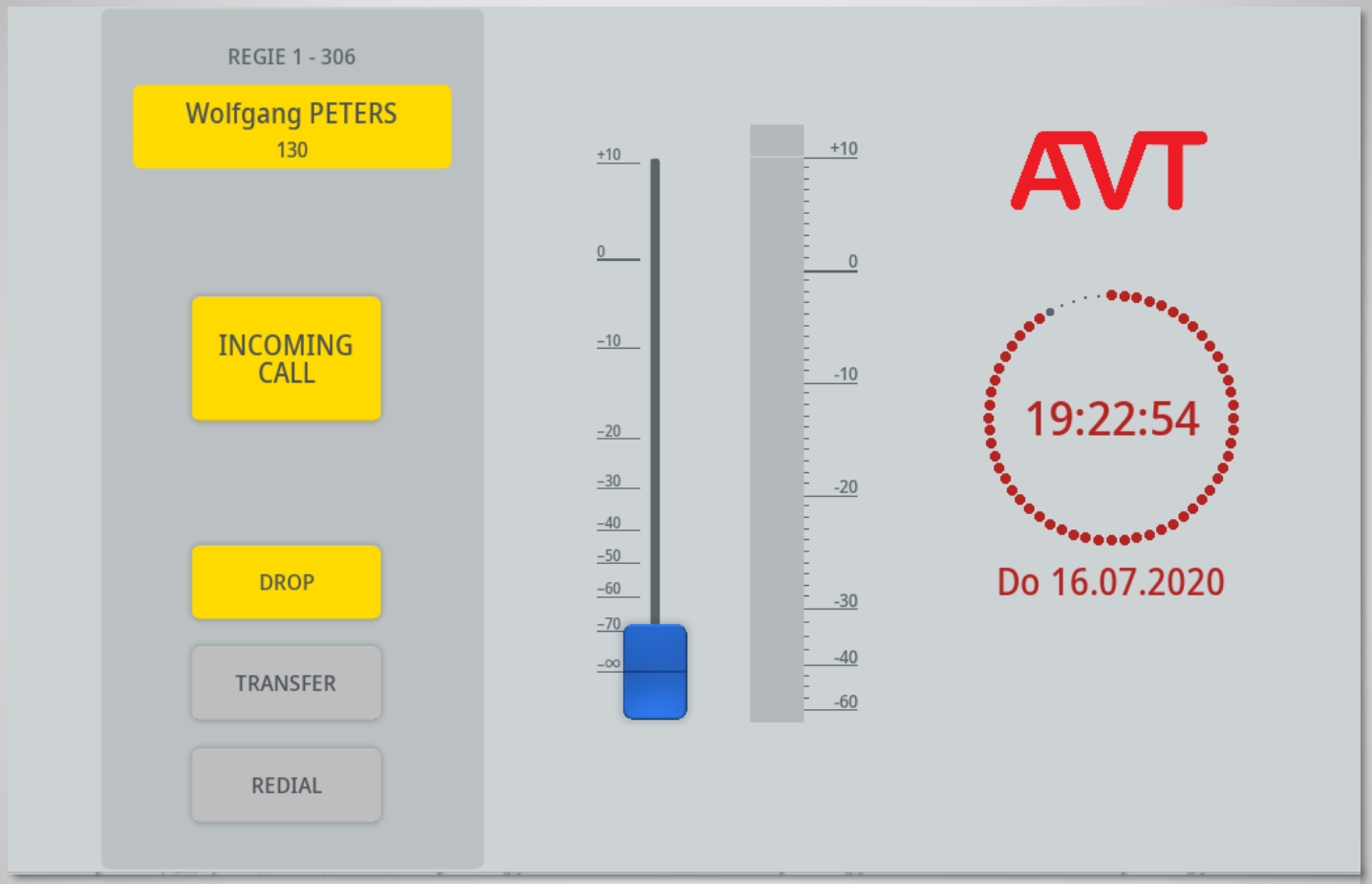
Connected – ON AIR



Transfer the call


REGIE 1 - 306
DIAL
LOCKED
TRANSFER
REDIAL
+10
0
-10
-20
-30
-40
-50
-60
-70
-∞
+10
0
-10
-20
-30
-40
-60
19:21:35
Do 16.07.2020

Line locked



Incoming call

Ember+ Consumer Extension

Support

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Help desk: avt-nbg.zammad.com

Telephone: +49 911 5271-110

Support