

Ember+ Consumer Extension on MAGIC telephone hybrids

Quick Guide

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Ember+ Consumer Extension

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 - What is Ember+?
 - What is Ember+ Consumer Extension
- Example using a DHD 52/TX mixing console
 - Configuration DHD Toolbox
 - Configuration MAGIC telephone hybrid
 - Mixing console display
- Support

Content

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.

REGIE 1 - 306

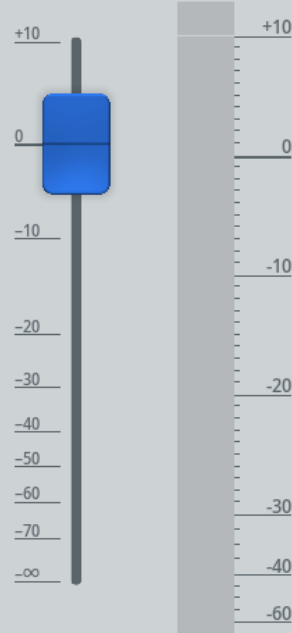
Wolfgang PETERS
130

CONNECTED

DROP

TRANSFER

REDIAL



AVT

19:19:35

Do 16.07.2020

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.

DHD Toolbox 9 - Z:\Events\Hamburg Open\HO 2020.dp9

Project View Transfer Options Help

Project

- AVTShow
 - General
 - Global Control
 - Administration
 - Linked Devices
 - Talkback System
 - DHD, Modified
 - Hardware
 - I/O Overview** ①
 - Mixer 1
 - Audio
 - Logic
 - Views
 - View Container

52/XS "DHD", Audio and Logic I/O Configuration

Input Output Audio Logic Ports Used

Select element

- All Units
 - 52-1830
 - 52TX.52-1156
 - 52TX.52-1156KeyPotStr
 - 52-1830.Dante
 - 52-1830 I/O-1
 - AES67-1
 - 52-7999-1** ④

Inputs/Outputs

Tag	Original Label	Label
52-7999-1.GPI 1	52-7999-1.GPI 1	GPI 1
52-7999-1.GPI 2	52-7999-1.GPI 2	GPI 2
52-7999-1.GPI 3	52-7999-1.GPI 3	GPI 3
52-7999-1.GPI 4	52-7999-1.GPI 4	GPI 4
52-7999-1.GPI 5	52-7999-1.GPI 5	GPI 5

52-1335 XS Multi I/O Box

52-1830 I/O 1830 analogue/digital I/O

52-7112 XC Digital I/O/GPIO Module

52-7224 XC Analog I/O/GPIO Module 18/24dBu

52-7235 XC Mic/Headphone/GPIO Module

52-7255 XC Mic/Line Module 8ch, iso.

52-7172 XC Dual 3G/HD/SDI De/Embedder

52-7067 XC2 AES67 RAVENNA Interface, 32x Stereo In, 32x Stereo Out

52-7180 XC Dante interface

52-7080 XC2 Dante Interface, 64 Channels

52-7321 MADI Multi Mode

52-7325 MADI Single Mode

APC Link APC Device Interlink, 48 Channels

52-7391 GA Device Interlink, 32-512 channels

52-7999 Ember GPI/GPO Connect ③

② Add... Remove

[Click here to see more modules](#)

Utilities

Navigator Search (0) Documentation Messages (0) Close

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)

The screenshot displays the DHD Toolbox 9 software interface for configuring a '52/XS "DHD", Master Views. The interface is divided into several sections:

- Project Tree (Left):** A hierarchical tree view showing the project structure. The 'Views' folder is highlighted with a red box and a circled '1'. Below the tree are 'Add ...' and 'Delete Device' buttons, and a 'DSP capacity' indicator showing 90%.
- Available Views (Middle-Left):** A list of views with a table:

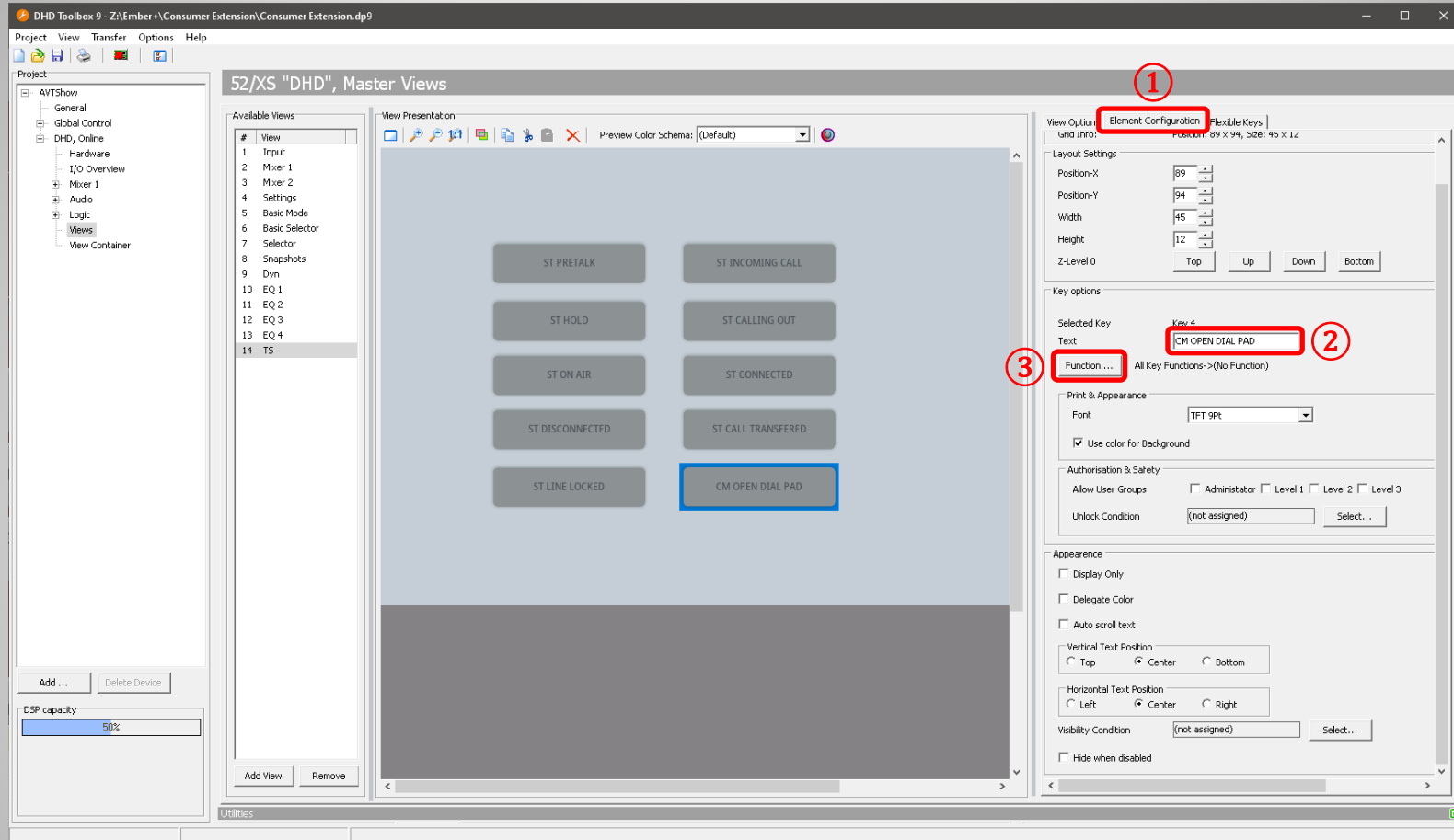
#	View
1	Input
2	Mixer 1
3	Mixer 2
4	Settings
5	Basic Mode
6	Basic Selector
7	Selector
8	Snapshots
9	Dyn
10	EQ 1
11	EQ 2
12	EQ 3
13	EQ 4
14	TS

 The 'TS' view is highlighted with a red box and a circled '3'. Below this list are 'Add View' and 'Remove' buttons, with 'Add View' highlighted by a red box and a circled '2'.
- View Presentation (Center):** A large central area showing a preview of the 'TS' view. It contains several grey buttons with labels: 'ST PRETALK', 'ST INCOMING CALL', 'ST HOLD', 'ST CALLING OUT', 'ST ON AIR', 'ST CONNECTED', 'ST DISCONNECTED', 'ST CALL TRANSFERED', 'ST LINE LOCKED', and 'CM OPEN DIAL PAD'. A red arrow with a circled '5' points to the right side of this area.
- View Options (Right):** A panel for configuring the view. The 'View Settings' section includes:
 - 'View Name' set to 'TS', highlighted with a red box and a circled '4'.
 - 'View Group' set to '0'.
 - 'Preferred display type' set to '10.1" Control View (213x135 Grid Ur)'.
 - 'Change scaling' with '4:3 Format' and '16:10 Format' options.
 - 'Background Image' set to '(None)'.
- Available Elements (Bottom-Right):** A list of elements that can be dragged into the view. The 'Button' element, described as 'Configurable button', is highlighted with a blue bar and a red arrow with a circled '5'.

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)



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)

DHD Toolbox 9 - Z:\Ember +\Consumer Extension\Consumer Extension.dp9

Project View Transfer Options Help

Project

- AVTShow
 - General
 - Global Control** ①
 - DHD, Modified
 - Hardware
 - I/O Overview
 - Mixer 1
 - Console
 - Fader Channels
 - Channel Assignment
 - Virtual Keys
 - Audio
 - Logic
 - Logic Functions
 - Level Detects
 - Logic Delays
 - Clock Logics
 - Selector Logics
 - Potentiometer Control
 - Views
 - View Container

Global Control

Logic Resources Potentiometer Channel Snapshot Type **Global Labels** ②

#	Description	Default Text	Master Device	Label Infos
1	LineLabel		DHD	
2	CallerInfo		DHD	
3	PhoneNumber		DHD	
4	ButtonLabel		DHD	
5	Dial Number		DHD	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				

Description: ③

Default Text:

Master Device: ④

Reset

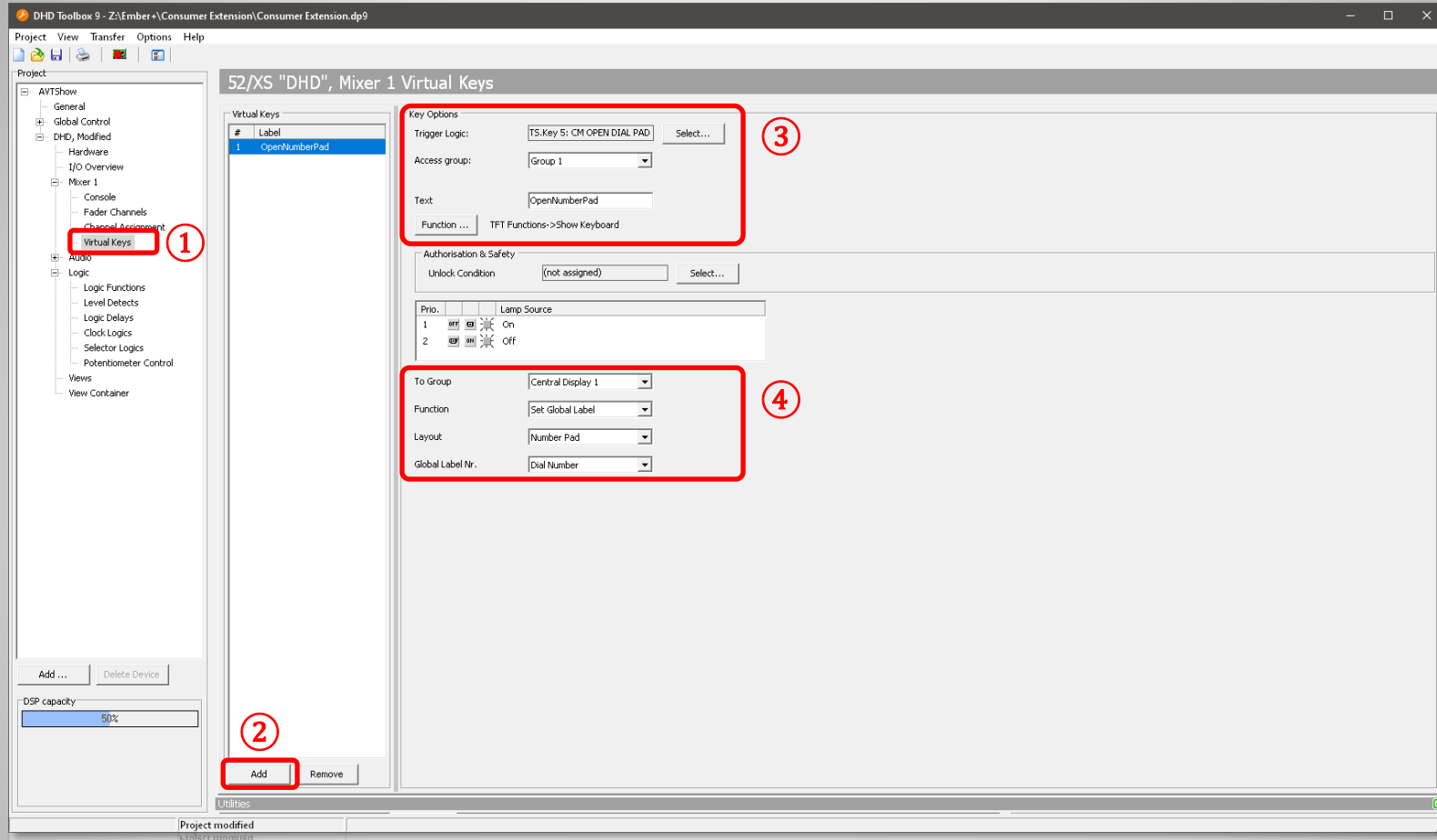
Add ... Delete Device

Project modified

Global Labels (1)

- 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.

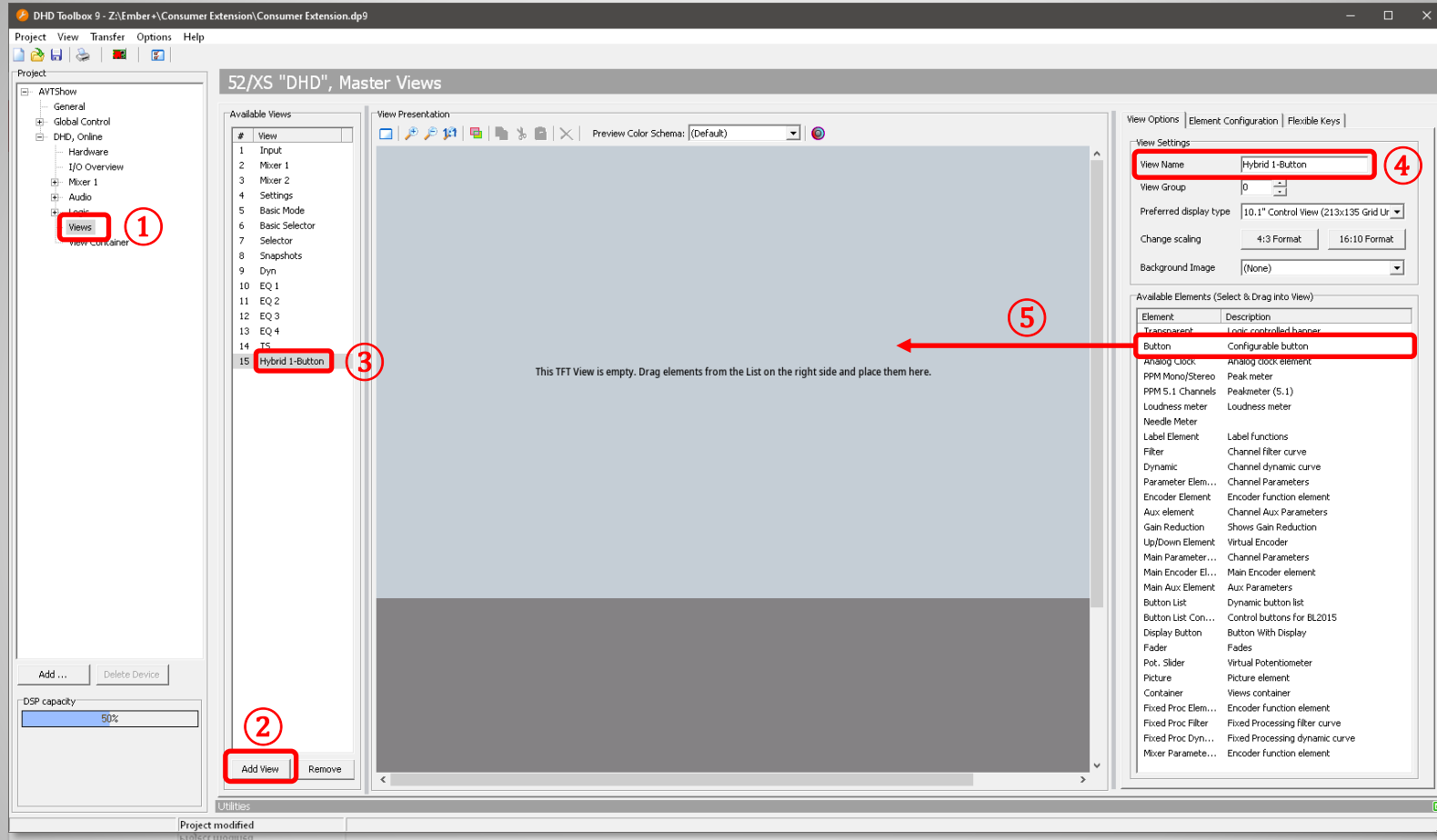
Global Labels (2)



Virtual Key (1)

- 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

Virtual Key (2)



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)

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
 - Console
 - Fader Channels
 - Channel Assignment
 - Virtual Keys
 - Audio
 - Logic
 - Logic Functions
 - Level Detects
 - Logic Delays
 - Clock Logics
 - Selector Logics
 - Potentiometer Control
 - Views
 - View Container

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
15	Hybrid 1-Button

View Presentation

Preview Color Schema: (Default)

Element Configuration

Element Info

Type: Button (ID12/Id=5)

Grid Info: Position: 20 x 5, Size: 50 x 5

Layout Settings

Position-X: 20

Position-Y: 5

Width: 50

Height: 5

Z-Level 1: Top, Up, Down, Bottom

Key options

Selected Key: Key 4

Text: {1}

Function ...: All Key Functions->User Defined

Print & Appearance

Font: TFT 3 Bold

Use color for Background:

Authorisation & Safety

Allow User Groups: Administrator Level 1 Level 2 Level 3

Unlock Condition: (not assigned) Select...

Toggle mode

Momentary

Toggle

Timed Toggle

Prio. 1

Lamp Source: Device Running

Add, Remove, Source..., Up, Down

EQ 4

- TS
- TS.Key 10: ST LINE LOCKED
- TS.Key 5: CM OPEN DIAL PAD
- TS.Key 9: ST CONNECTED
- TS.Key 8: ST CALLING OUT
- TS.Key 7: ST INCOMING CALL
- TS.Key 6: ST DISCONNECTED
- TS.Key 4: ST ON AIR
- TS.Key 3: ST CALL TRANSFERED
- TS.Key 2: ST HOLD
- TS.Key 1: ST PRETALK

Project modified

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)

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
 - Console
 - Fader Channels
 - Channel Assignment
 - Virtual Keys
 - Audio
 - Logic
 - Logic Functions
 - Level Detects
 - Logic Delays
 - Clock Logics
 - Selector Logics
 - Potentiometer Control
 - Views
 - View Container

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
15	Hybrid 1-Button

View Presentation

Preview Color Schema: (Default)

View Options: Element Configuration (2)

Element Info

Type: Button (ID9/Idx6)

Grid Info: Position: 20 x 12, Size: 50 x 9

Layout Settings

Position-X: 20

Position-Y: 12

Width: 50

Height: 9

Z-Level 1: Top, Up, Down, Bottom

Key options

Selected Key: Key 4 (3)

Text: {2}

Function ...: All Key Functions->User Defined (4)

Print & Appearance

Font: TFTAVTMedium

Use color for Background:

Authorisation & Safety

Allow User Groups: Administrator Level 1 Level 2 Level 3

Unlock Condition: (not assigned) Select...

Toggle mode (5)

Momentary

Toggle

Timed Toggle

Table (6)

Prio.	Off	On	Green	Red	Lamp Source	Add
1	off	on	green	red	TS.Key 7: ST INCOMING...	Remove
2	off	on	green	red	TS.Key 8: ST CALLING ...	Source...
3	off	on	green	red	TS.Key 4: ST ON AIR	Up Down
4	off	on	green	red	Device Running	

Project modified: 2014-07-23 10:04:54

Utilities

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)

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
 - Console
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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
15	Hybrid 1-Button

View Presentation

Preview Color Schema: (Default)

View Options: Element Configuration Flexible Keys

Element Info

Type: Button (ID15/Id:0)

Grid Info: Position: 20 x 19, Size: 50 x 6

Layout Settings

Position-X: 20

Position-Y: 19

Width: 50

Height: 6

Z-Level 2: Top Up Down Bottom

Key options

Selected Key: Key 4

Text: {3}

Function ...: All Key Functions->User Defined

Print & Appearance

Font: TFT 9Pt

Use color for Background:

Authorisation & Safety

Allow User Groups: Administrator Level 1 Level 2 Level 3

Unlock Condition: (not assigned) Select...

Toggle mode

Momentary

Toggle

Timed Toggle

Prio.	Off	On	Off	On	Lamp Source	Add
1	off	on	off	on	TS.Key 7: ST INCOMING...	Remove
2	off	on	off	on	TS.Key 8: ST CALLING ...	Source...
3	off	on	off	on	TS.Key 4: ST ON AIR	Up Down
4	off	on	off	on	Device Running	

Project modified 2014-07-23 10:04:04

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)

The screenshot displays the AVT DHD Toolbox software interface for configuring a '52/XS "DHD", Master Views'. The interface is divided into several sections:

- Project Tree (Left):** A hierarchical tree view showing the project structure, including 'AVTShow', 'Global Control', 'DHD, Online', 'Hardware', 'I/O Overview', 'Mixer 1', 'Console', 'Fader Channels', 'Channel Assignment', 'Virtual Keys', 'Audio', 'Logic', 'Logic Functions', 'Level Detects', 'Logic Delays', 'Clock Logics', 'Selector Logics', 'Potentialmeter Control', 'Views', and 'View Container'.
- Available Views (Top Left):** A list of views with their IDs: 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, and 15 Hybrid 1-Button.
- View Presentation (Center):** A preview window showing a graphical user interface (GUI) with various elements: a blue slider, a green level meter, a red 'AVT' logo, a digital clock showing '18:54:11', and the date 'THU 16.07.2'. A yellow button labeled '(4)' is highlighted with a red box and a circled '1'.
- Element Configuration (Right):** A configuration panel for the selected element (Button ID11/Id:10). It includes:
 - Element Info:** Type (Button), Grid Info (Position: 29 x 45, Size: 30 x 20).
 - Layout Settings:** Position-X (29), Position-Y (45), Width (30), Height (20), and Z-Level 1 (Top).
 - Key options:** Selected Key (Key 4), Text (4), and Function (All Key Functions->User Defined).
 - Print & Appearance:** Font (TFTAVTMedium) and a checked option for 'Use color for Background'.
 - Authorisation & Safety:** Allow User Groups (Administrator, Level 1, Level 2, Level 3) and an Unlock Condition (not assigned).
 - Toggle mode:** Momentary (selected), Toggle, and Timed Toggle.
 - Table (6):** A table with columns for Priority, Lamp Source, and Add/Remove buttons. The table contains four rows of data:

Prio.	Lamp Source	Add
1	TS.Key 7: ST INCOMING...	Remove
2	TS.Key 8: ST CALLING ...	Source...
3	TS.Key 4: ST ON AIR	Up Down
4	Device Running	

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)

DHD Toolbox 9 - Z:\Ember+\Consumer Extension\Consumer Extension.dp9

Project View Transfer Options Help

AVTShow

- General
- Global Control
- DHD, Online
 - Hardware
 - I/O Overview
 - Mixer 1
 - Console
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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
10	EQ 1
11	EQ 2
12	EQ 3
13	EQ 4
14	TS
15	Hybrid 1-Button

View Presentation

Preview Color Schema: [(Default)]

View Options

Element Configuration

Height: 12

Z-Level 1: Top Up Down Bottom

Key options

Selected Key: Key 4

Text: DROP

Function: All Key Functions->User Defined

Print & Appearance

Font: TFT 3 Bold

Use color for Background:

Authorisation & Safety

Allow User Groups: Administrator Level 1 Level 2 Level 3

Unlock Condition: (not assigned) Select...

Toggle mode: Momentary Toggle Timed Toggle

Prio.	Label	Condition Source	Add
1	DROP	TS.Key 7: ST CALLING OUT	Remove
2	DROP	TS.Key 7: ST INCOMING CALL	Remove
3	DROP	TS.Key 9: ST CONNECTED	Source...
4	LOCKED	TS.Key 10: ST LINE LOCKED	Up Down

DSP capacity: 50%

Project modified

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)

The screenshot displays the AVT DHD Toolbox software interface for configuring a button. The main window is titled "52/XS 'DHD', Master Views". On the left, a project tree shows the hierarchy of views, with "Views" expanded to show "View Container". The central "View Presentation" window shows a graphical user interface with several buttons: (1) a "TRANSFER" button highlighted with a red box and a circled 1; (2) a "DROP" button; (3) a "REDIAL" button; and (4) a "Hybrid 1-Button" in the "Available Views" list. The right-hand "Element Configuration" panel is open, showing settings for a "Button (ID3/Idc9)". Key settings include:

- Text: TRANSFER (circled 3)
- Function: All Key Functions->User Defined (circled 4)
- Toggle mode: Momentary (circled 5)
- Lamp Source table (circled 6):

Prio.	Color	Lamp Source	Action
1	Red	TS.Key 3: ST CALL TRA...	Add, Remove, Source...
2	Yellow	Device Running	Up, Down

Transfer button (1)

- 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

Transfer button (2)

The screenshot displays the DHD Toolbox software interface for configuring a button. The main window is titled "52/XS 'DHD', Master Views". On the left, a project tree shows the hierarchy of components. The central preview window shows a control panel with several buttons, including a "REDIAL" button highlighted with a red box and the number 1. The right-hand configuration panel is titled "Element Configuration" (2) and shows settings for a "Button (ID5/IDx8)". The "Text" field (3) is set to "REDIAL", and the "Function" dropdown (4) is set to "All Key Functions->User Defined". The "Toggle mode" (5) is set to "Momentary". At the bottom of the configuration panel, a table (6) lists lamp sources:

Prio.	Lamp Source	Add
1	Device Running	Remove Source... Up Down

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

Configuration

Local

MAGIC THipPro ACip3.1

- Studio Audio Assignment
- Clients Audio Assignment
- PhonerSet Audio Assignment
- Clients Restrictions
- Signal Processing
- Line Labels
- Studio Settings
- Auto Answer
- Intro / Data Privacy Query
- Answering Machine
- Night Service
- DTMF
- Actions
- Telephone Client Application
- GPIO
- Ember+ Consumer Extension
- System Settings
 - General
 - Line Interface
 - Caller Line Grouping
 - VoIP (LAN/SIP)
 - Audio Interface
 - PRETALK Streaming
 - AES67
 - LAN Interface
 - VLAN
 - DHD Audio Matrix** (1)
 - Ember+
 - PhonerSet / Remote Light
 - ACconnect
 - Stream Quality Measurement
 - SNMP
 - System Login

Client ID: 4 Studio: 1

DHD Audio Matrix

Activate DHD Audio Matrix Control (2)

Audio Matrix Connection Parameters:

LAN Interface: LAN 1 : 172.16.75.24 (3)

TCP/IP Reconnect Time: 10 seconds [1..255]

DHD Core	IP Address	TCP/IP Port
1	172.16.75.6	2008 (4)
2		0
3		0
4		0
5		0
6		0
7		0
8		0
9		0
10		0
11		0
12		0
13		0
14		0
15		0
16		0

OK Abbrechen Apply Now

DHD Audio Matrix (1)

- 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.

DHD Audio Matrix (2)

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 Applicator
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 4 (Consumer 4):	0	Port 7 (Consumer 7):	0
Port 2 (Consumer 2):	9001	Port 5 (Consumer 5):	0	Port 8 (Consumer 8):	0
Port 3 (Consumer 3):	0	Port 6 (Consumer 6):	0		

Activate Ember+ Consumer

Connection Parameters:

LAN Interface: LAN 1 : 172.16.75.24

TCP/IP Address: 172.16.75.6

Port: 9000

Provider 1: 172.16.75.6

Provider 2:

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)

Configuration

Local
MAGIC THipPro ACip3 1

Operation Settings
 Clients / Security
 Studio Definition
 Database
 News Desk Pool
 Mode & Audio Line
 Internal HOLD Signals
 Studio Audio Assignment
 Clients Audio Assignment
 PhonerSet Audio Assignment
 Clients Restrictions
 Signal Processing
 Line Labels
 Studio Settings
 Auto Answer
 Intro / Data Privacy Query
 Answering Machine
 Night Service
 DTMF
 Actions
 Telephone Client Application
 GPIO
Ember+ Consumer Extension
 System Settings
 General
 Line Interface
 Caller Line Grouping
 VoIP (LAN/SIP)
 Audio Interface
 PRETALK Streaming
 AES67
 LAN Interface
 VLAN

Ember+ Consumer Extension

REGIE 1 | Workplace 2 | Workplace 3 | Workplace 4 | Workplace 5 | Workplace 6

Name of Workplace: REGIE 1

DHD Core: 1 (172.16.75.6:2008) Use Consumer connected to: Provider 1: 172.16.75.6

Trigger Logic ID to open NumberPad: 130 Status ID of NumberPad (VirtualKey): 138

Ember+ Global Label ID for Dial Number: GlobalLabel 5: Dial Number

Channels Index: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 CF CF

Line Groups: CALL-IN VP RE... PROD

Assigned Channels: [] [] [] [] [x] [] [] [] [] [] [] [] [] [] [] []

Audio Line Assignment	
PRETALK	not used
HOLD	not used
ON AIR Fader 1	On Air 1
ON AIR Fader 2	not used
GPI Functions	
1-Button (CALL/DROP/etc.)	136
Set PRETALK	0
Set HOLD	0
Set ON AIR Fader 1	0
Set ON AIR Fader 2	0
DROP line	149
Transfer Call	139
Redial	140

Client ID: 4 Studio: 1

OK Abbrechen Apply Now

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)

Configuration

Local
MAGIC THipPro ACip3 1

Operation Settings
 Clients / Security
 Studio Definition
 Database
 News Desk Pool
 Mode & Audio Line
 Internal HOLD Signals
 Studio Audio Assignment
 Clients Audio Assignment
 PhonerSet Audio Assignment
 Clients Restrictions
 Signal Processing
 Line Labels
 Studio Settings
 Auto Answer
 Intro / Data Privacy Query
 Answering Machine
 Night Service
 DTMF
 Actions
 Telephone Client Applicator
 GPIO
Ember+ Consumer Extension
 System Settings
 General
 Line Interface
 Caller Line Grouping
 VoIP (LAN/SIP)
 Audio Interface
 PRETALK Streaming
 AES67
 LAN Interface
 VLAN

Client ID: 4 Studio: 1

Ember+ Consumer Extension

REGIE 1 | Workplace 2 | Workplace 3 | Workplace 4 | Workplace 5 | Workplace 6

Name of Workplace: REGIE 1

DHD Core: 1 (172.16.75.6:2008)

Use Consumer connected to: Provider 1: 172.16.75.6

Trigger Logic ID to open NumberPad: 130

Status ID of NumberPad (VirtualKey): 138

Ember+ Global Label ID for Dial Number: GlobalLabel 5: Dial Number

Channels Index
Line Group
Assigned Channels

Line 5

Audio and Logic IDs View

Window View

Logic Audio Sources Audio Sinks Potentiometer

Available Logic Source IDs:

Device	Type	Base	Offset	Addr	Value	Caption
DHD	Key	130	0	130	40000082	DHD.TS.Key 5: CM OPEN DIAL PAD
DHD	Key	138	0	138	4000008A	DHD.VKKey 1: OpenNumberPad

Search: open

OK Apply Now

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)

The screenshot shows the 'Configuration' window for 'Ember+ Consumer Extension'. The left sidebar lists various settings categories, with 'Ember+ Consumer Extension' selected. The main area shows configuration for 'REGIE 1' across six workplaces. A red box highlights the 'Ember+ Global Label ID for Dial Number' field, which is set to 'GlobalLabel 5: Dial Number'. A circled '1' is placed next to this field. An 'Ember+ Tree' dialog is open in the foreground, showing a tree view of the system's configuration structure. The 'GlobalLabel 5: Dial Number' item is selected and highlighted in blue. The dialog has 'Select' and 'Cancel' buttons.

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)

Configuration

Local
MAGIC THipPro ACip3 1

- Operation Settings
 - Clients / Security
 - Studio Definition
 - Database
 - News Desk Pool
 - Mode & Audio Line
 - 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 Applicator
 - GPIO
 - Ember+ Consumer Extension**
- System Settings
 - General
 - Line Interface
 - Caller Line Grouping
 - VoIP (LAN/SIP)
 - Audio Interface
 - PRETALK Streaming
 - AES67
 - LAN Interface
 - VLAN

Client ID: 4 Studio: 1

Ember+ Consumer Extension

REGIE 1 | Workplace 2 | Workplace 3 | Workplace 4 | Workplace 5 | Workplace 6

Name of Workplace:

DHD Core: Use Consumer connected to:

Trigger Logic ID to open NumberPad: Status ID of NumberPad (VirtualKey):

Ember+ Global Label ID for Dial Number:

Channels Index: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 CF CF

Line Groups: CALL-IN WP RE... PROD

Assigned Channels:

	Line 6	
Audio Line Assignment		
PRETALK	not used	
HOLD	not used	
ON AIR Fader 1	On Air 1	
ON AIR Fader 2	not used	
GPI Functions		
1-Button (CALL/DROP/etc.)	136	
Set PRETALK	0	
Set HOLD	0	
Set ON AIR Fader 1	0	
Set ON AIR Fader 2	0	
DROP line	149	
Transfer Call	139	
Redial	140	

OK Abbrechen Apply Now

Ember+ Consumer Extension (7)

- There is a column for each telephone line in 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)

Configuration

Local
MAGIC THipPro ACip3 1

- Operation Settings
 - Clients / Security
 - Studio Definition
 - Database
 - News Desk Pool
 - Mode & Audio Line
 - Internal HOLD Signals
 - Studio Audio Assignment
 - Clients Audio Assignment
 - PhonerSet Audio Assignment
 - Clients Restrictions
 - Signal Processing
 - Line Labels
 - Studio Settings
 - Auto Answer
 - Intro / Data Privacy Query
 - Answering Machine
 - Night Service
 - DTMF
 - Actions
 - Telephone Client Application
 - GPIO
 - Ember+ Consumer Extension**
- System Settings
 - General
 - Line Interface
 - Caller Line Grouping
 - VoIP (LAN/SIP)
 - Audio Interface
 - PRETALK Streaming
 - AES67
 - LAN Interface
 - VLAN

Client ID: 4 Studio: 1

Ember+ Consumer Extension

Name of Workplace: **REGIE 1**

DHD Code: 1 (072 16 754 2000)

Trigger Logic ID to open NumberPad: 130

Enter Global Label ID to Dial Number: Global Label 1, Dial No.

Channels Index: [1] [2] [3] [4]

Line Group: [1] [2] [3] [4]

Assigned Channels: [1] [2] [3] [4]

Audio Line Assignment

PRETALK

HOLD

DN AIR Fader 1

DN AIR Fader 2

GPI Functions

1-Button (CALL/DROP/etc.)	136	☑
Set PRETALK	0	☑
Set HOLD	0	☑
Set DN AIR Fader 1	0	☑
Set DN AIR Fader 2	0	☑
DROP line	149	☑
Transfer Call	139	☑
Redial	140	☑

Audio and Logic IDs View

Window View

Logic Audio Sources Audio Sinks Potentiometer

Available Logic Source IDs

Device	Type	Base	Offset	Addr	Value	Caption
DHD	Key	134	0	134	40000086	DHD.Hybrid 1-Button.Key 10: {Key 4}
DHD	Key	136	0	136	40000088	DHD.Hybrid 1-Button.Key 11: {4}
DHD	Key	139	0	139	4000008B	DHD.Hybrid 1-Button.Key 3: TRANSFER
DHD	Key	140	0	140	4000008C	DHD.Hybrid 1-Button.Key 5: REDIAL
DHD	Key	149	0	149	40000095	DHD.Hybrid 1-Button.Key 4: DROP
DHD	Key	163	0	163	400000A3	DHD.Hybrid 1-Button.Key 9: {2}
DHD	Key	181	0	181	400000B5	DHD.Hybrid 1-Button.Key 12: {1}
DHD	Key	188	0	188	400000BC	DHD.Hybrid 1-Button.Key 15: {3}

Search: Hybrid

OK Abbrechen Apply Now

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)

The screenshot displays the AVT software configuration interface. On the left, a tree view shows the 'Configuration' menu with 'Ember+ Consumer Extension' selected. The main window shows the configuration for 'Ember+ Consumer Extension' with various settings like 'Name of Workplace', 'DHD Code', and 'Trigger Logic ID'. A red box highlights the 'GPO Functions' table, which lists various call statuses and their corresponding logic IDs. A red circle with the number '1' is placed next to the 'Status Line LOCKED' row. An 'Audio and Logic IDs View' dialog box is open in the foreground, showing a table of available logic source IDs with columns for Device, Type, Base, Offset, Addr, Value, and Caption. The search bar in the dialog is set to 'DHD.TS'.

Device	Type	Base	Offset	Addr	Value	Caption
DHD	Key	106	0	106	4000006A	DHD.TS.Key 1: ST PRETALK
DHD	Key	107	0	107	4000006B	DHD.TS.Key 2: ST HOLD
DHD	Key	109	0	109	4000006D	DHD.TS.Key 3: ST CALL TRANSFERED
DHD	Key	110	0	110	4000006E	DHD.TS.Key 4: ST ON AIR
DHD	Key	111	0	111	4000006F	DHD.TS.Key 6: ST DISCONNECTED
DHD	Key	112	0	112	40000070	DHD.TS.Key 7: ST INCOMING CALL
DHD	Key	123	0	123	4000007B	DHD.TS.Key 8: ST CALLING OUT
DHD	Key	124	0	124	4000007C	DHD.TS.Key 9: ST CONNECTED
DHD	Key	130	0	130	40000082	DHD.TS.Key 5: CM OPEN DIAL PAD
DHD	Key	133	0	133	40000085	DHD.TS.Key 10: ST LINE LOCKED

GPO Functions		
Status Disconnected	111	✎
Status Calling Out	123	✎
Status Incoming Call	112	✎
Status Connected	124	✎
Status Call Transferred	109	✎
Status Line LOCKED	133	✎
Status PRETALK	0	✎
Status HOLD	0	✎
Status ON AIR	110	✎
Status ON AIR Fader 1	0	✎
Status ON AIR Fader 2	0	✎

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)

Configuration

Local
MAGIC THipPro ACip3 1

Operation Settings
Clients / Security
Studio Definition
Database
News Desk Pool
Mode & Audio Line
Internal HOLD Signals
Studio Audio Assignment
Clients Audio Assignment
PhonerSet Audio Assignment
Clients Restrictions
Signal Processing
Line Labels
Studio Settings
Auto Answer
Intro / Data Privacy Query
Answering Machine
Night Service
DTMF
Actions
Telephone Client Application
GPIO
Ember+ Consumer Extension
System Settings
General
Line Interface
Caller Line Grouping
VoIP (LAN/SIP)
Audio Interface
PRETALK Streaming
AES67
LAN Interface
VLAN

Client ID: 4 Studio: 1

Ember+ Consumer Extension

REGIE 1 | Workplace 2 | Workplace 3 | Workplace 4 | Workplace 5 | Workplace 6

Name of Workplace: REGIE 1

DHD Core: 1 (172.16.75.6:2008) Use Consumer connected to: Provider 1: 172.16.75.6

Trigger Logic ID to open NumberPad: 130 Status ID of NumberPad (VirtualKey): 138

Ember+ Global Label ID for Dial Number: GlobalLabel 5: Dial Number

Channels Index: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 CF CF

Line Groups: CALL-IN WP RE... PROD

Assigned Channels: - -

	Line 6	
Status HOLD	0	✎
Status ON AIR	110	✎
Status ON AIR Fader 1	0	✎
Status ON AIR Fader 2	0	✎
Ember+ Global Label IDs		
Phone Number	GlobalLabel 3: PhoneNumber	✎ ✕
Caller Info	GlobalLabel 2: CallerInfo	✎ ✕
Button Label	GlobalLabel 4: ButtonLabel	✎ ✕
Line Label	GlobalLabel 1: LineLabel	✎ ✕
Fader Level (dB) PRETALK	Tree Location	✎ ✕
Fader Level (dB) ON AIR 1	Fader: < Channel 118 REGIE 1	✎ ✕
Fader Level (dB) ON AIR 2	Tree Location	✎ ✕

CLEAR

OK Abbrechen Apply Now

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

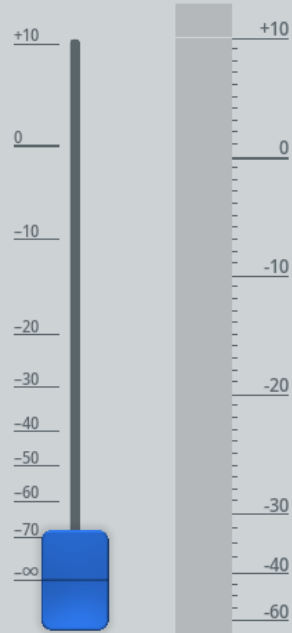
REGIE 1 - 306

DIAL

DROP

TRANSFER

REDIAL



AVT

19:08:17

Do 16.07.2020

Idle

Dial Number

130_

1	2	3	
4	5	6	
7	8	9	
*	0	#	
Back	Clear	Cancel	Ok

DIAL → Enter phone number

REGIE 1 - 306

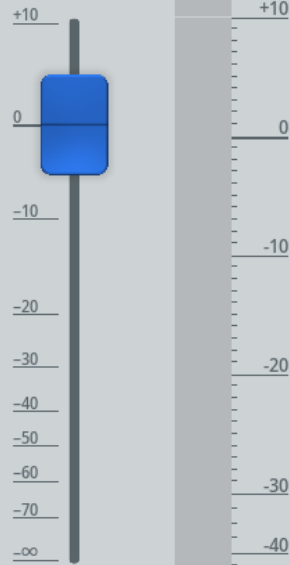
Wolfgang PETERS
130

CALLING

DROP

TRANSFER

REDIAL



AVT

19:17:59

Do 16.07.2020

Calling

REGIE 1 - 306

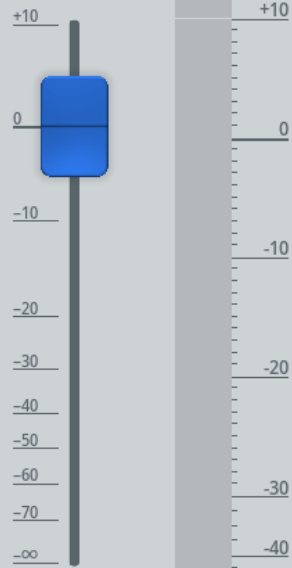
Wolfgang PETERS
130

CONNECTED

DROP

TRANSFER

REDIAL



AVT

19:19:35

Do 16.07.2020

Connected – ON AIR

REGIE 1 - 306

Wolfgang PETERS
130

CONNECTED

DROP

TRANSFER

REDIAL



AVT

19:20:31

Do 16.07.2020

Transfer the call

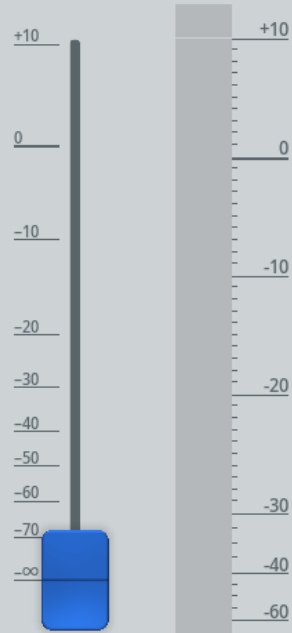
REGIE 1 - 306

DIAL

LOCKED

TRANSFER

REDIAL



AVT

19:21:35

Do 16.07.2020

Line locked

REGIE 1 - 306

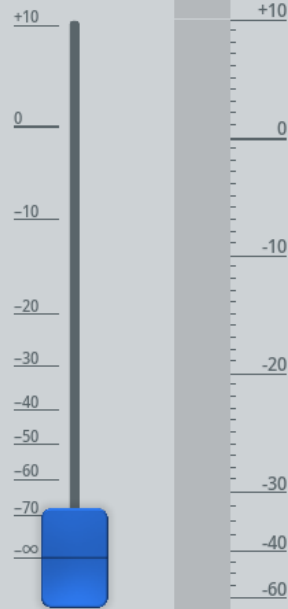
Wolfgang PETERS
130

INCOMING
CALL

DROP

TRANSFER

REDIAL



AVT



19:22:54

Do 16.07.2020

Incoming call

Ember+ Consumer Extension

Support

Web: www.avt-nbg.de

E-mail: support@avt-nbg.de

Help desk: avt-nbg.zammad.com

Telephone: +49 911 5271-110

Support