

REM

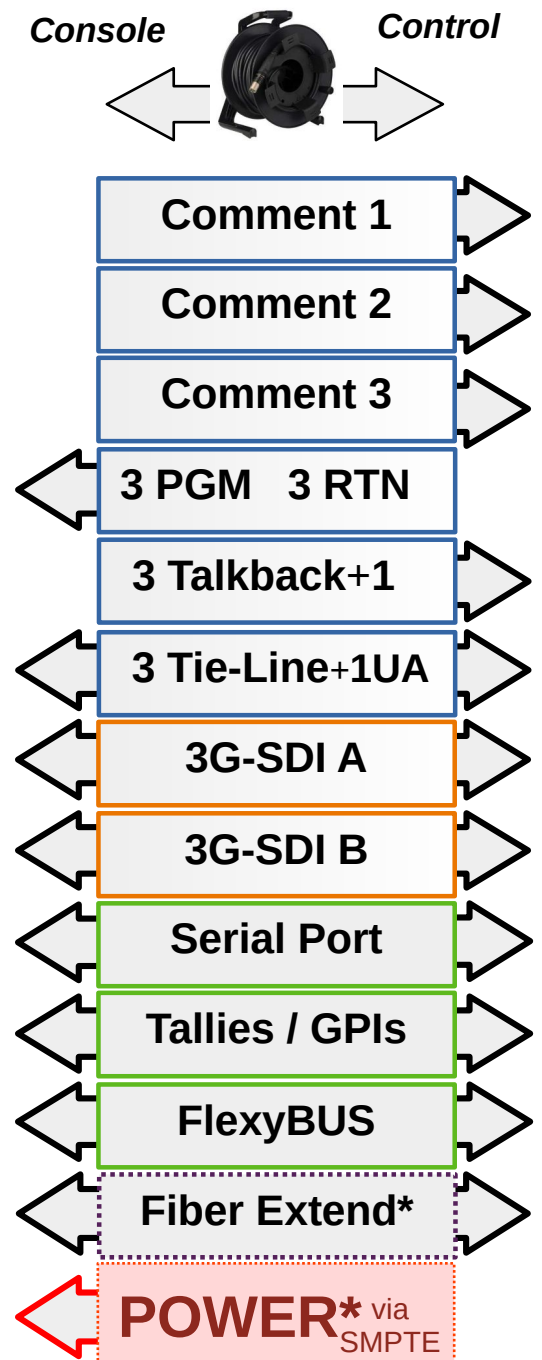
ComMEDIA Commentary System

Welcome to a
New Epoch



Audio Video & Data
over Fiber or Hybrid

3 Commentators



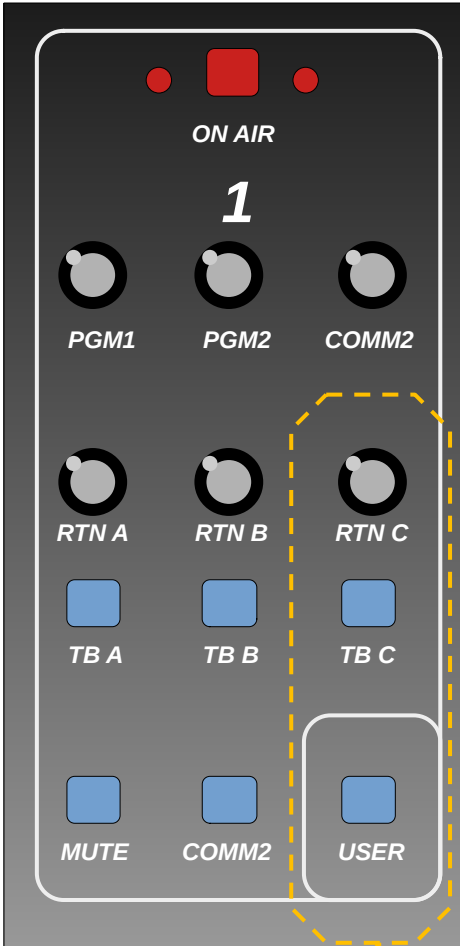
ComMEDIA

A/V Commentary BOX



Console

Control Surface



ON AIR Button & LEDs
Button Functionality
MODE configuration dependent

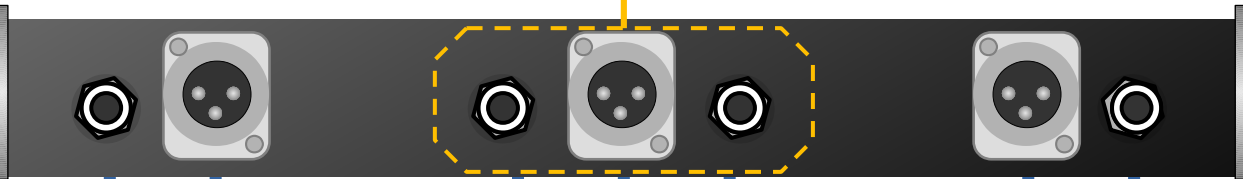
Commentator Ident

Headset Volume Knobs
Audio returns from CCU
and commentator partner
summed to dedicated
Commentator Headset

Talk-Back Enables
Momentary Buttons
Three communication lines

MUTE / COMMx / USER
Momentary Buttons
- Mute On-Air
- Talk to commentator partner
- User programmable

Not Present in Dual Commentator and LT versions



Commentator 1
Headset
Phone – Microphone
Phantom via CTRL

Commentator 3
Headset
Phone - Microphone - Phone
Phantom via CTRL

Commentator 2
Headset
Microphone - Phone
Phantom via CTRL

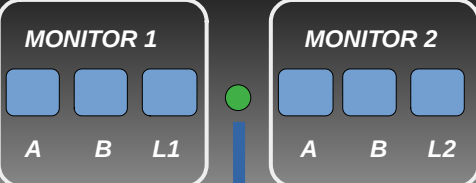
Video to Monitor 1
A - Input A from CCU
B - Input B from CCU
L1 - Input A from CCP
(Local)



Commentator 3

Headset Volume Knob
Program 3 from CCU

ON AIR Button & LEDs



Video to Monitor 2
A - Input A from CCU
B - Input B from CCU
L2 - Input B from CCP
(Local)

Power On LED (Flashing when no fiber to CCU)

Console (CCP)
Control Surface



Console
Back
Connections

FlexyBUS

BiDi SDI
MADI
Ethernet
HDMI
Analog
.....



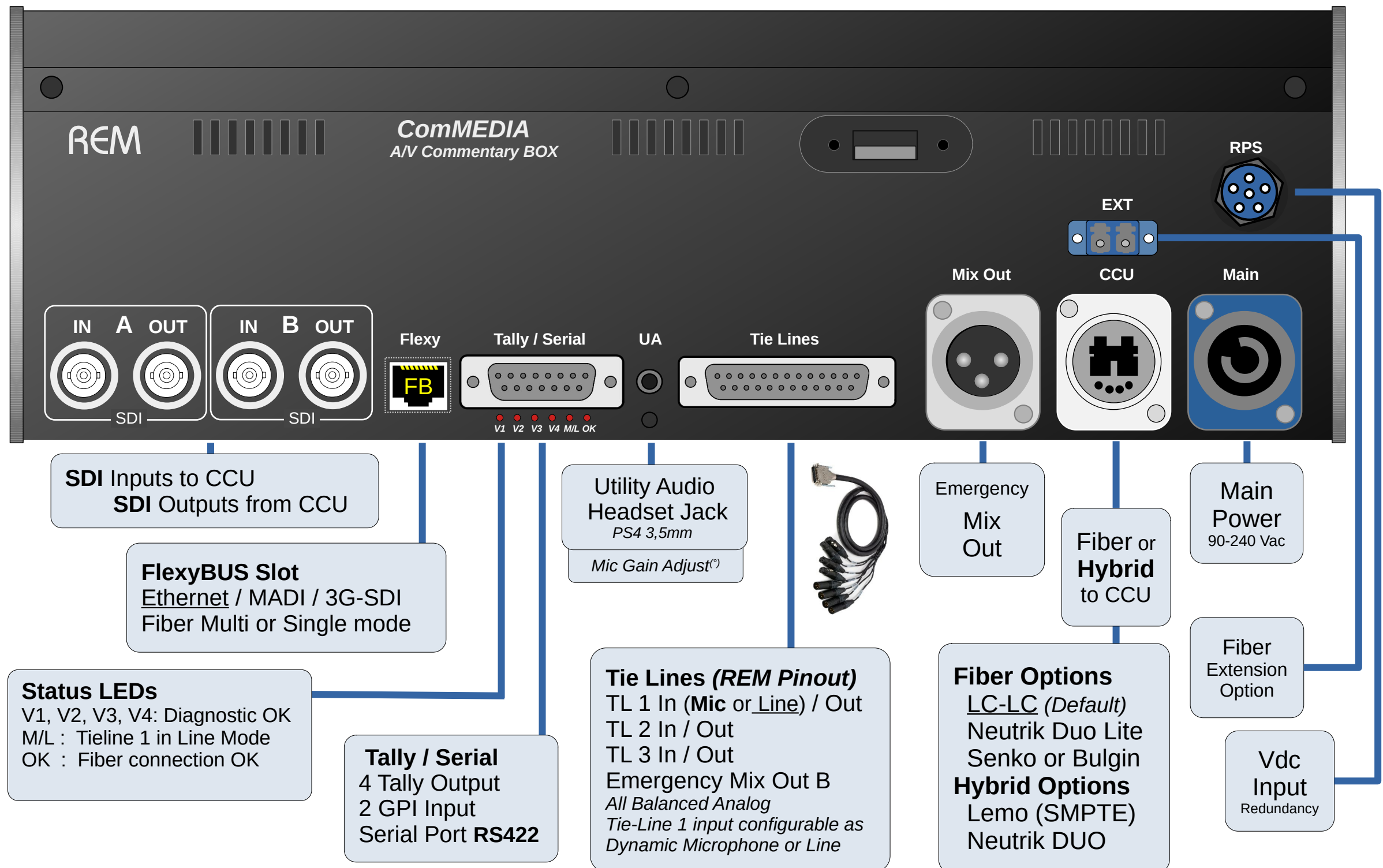
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A/V Commentary BOX



Console

Back Connections



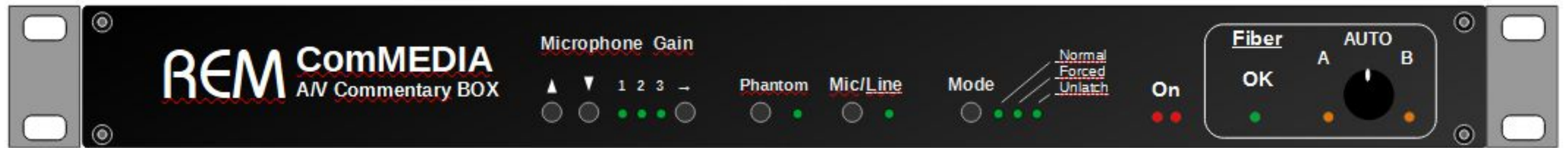
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A/V Commentary BOX



Control Unit

Controls & Connections



Microphone Gain
Up/Down Buttons

Microphone Select
Scroll Button

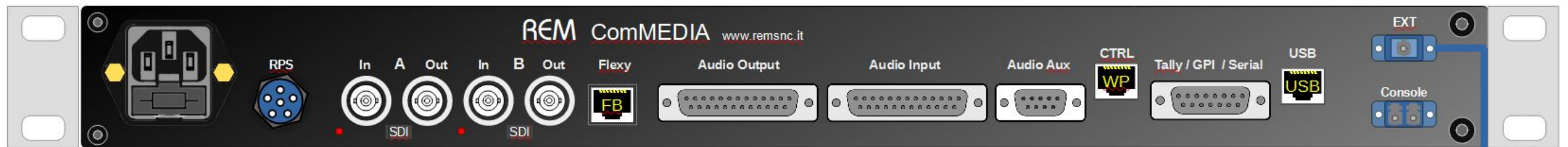
Phantom Enable
All 3 Commentator Microphones

Mic/Line
Tie Line 1
Input Mode
Led On = Mic

On Air Mode
Scroll Button
1 – Normal
2 – Forced
3 – Unlatch

Power On
Led SX – Main
Led DX – RPS

Fiber Area^(*)
OK: Fiber Valid
A: Fiber A active
B: Fiber B active
Auto: Change Active
Fiber in case of
path failure
(*) Active only with Fiber Switch Opt.



Mains
90-240 Vac

Redundant
Vdc Power Input

SDI Inputs to CCP
SDI Outputs from CCP

8 Output
Analog
Balanced

8 Input
Analog
Balanced

WEB
CTRL
Port

USB
CTRL
Port

Fiber
Expansion
Option

FlexyBUS Slot
Ethernet / MADI / 3G-SDI /
Fibers (Multi or Single mode) /...

Audio Auxiliary
Tie Line 3 In/Out
Utility Audio (Jack on Console)

Tally / Serial
4 Tally Inputs
2 GPI Outputs
2 User GPI Outputs
Serial Port **RS422**

Fiber Pair
to Console (CCP)
(or ORH Hybrid I/O)

8 Audio In Chan.
1. PGM 1
2. PGM 2
3. PGM C3 / TL3 ^(*)
4. RTN A
5. RTN B
6. RTN C
7. TieLine 1
8. TieLine 2

8 Audio Out Chan
1. MIC 1
2. MIC 2
3. MIC 3
4. TB A
5. TB B
6. TB C
7. TieLine 1
8. TieLine 2

Audio Aux (DB9)
1. Util Audio In
2. Util Audio Out
3. TieLine 3 Out

^(*) PGM C3 / TL3
Audio to Commentator 3
headset can be used as
TieLine 3 to Console

Hybrid Power Interface for CCU
Various model Available

Single / Dual / Quad Ch. and Power Adapter



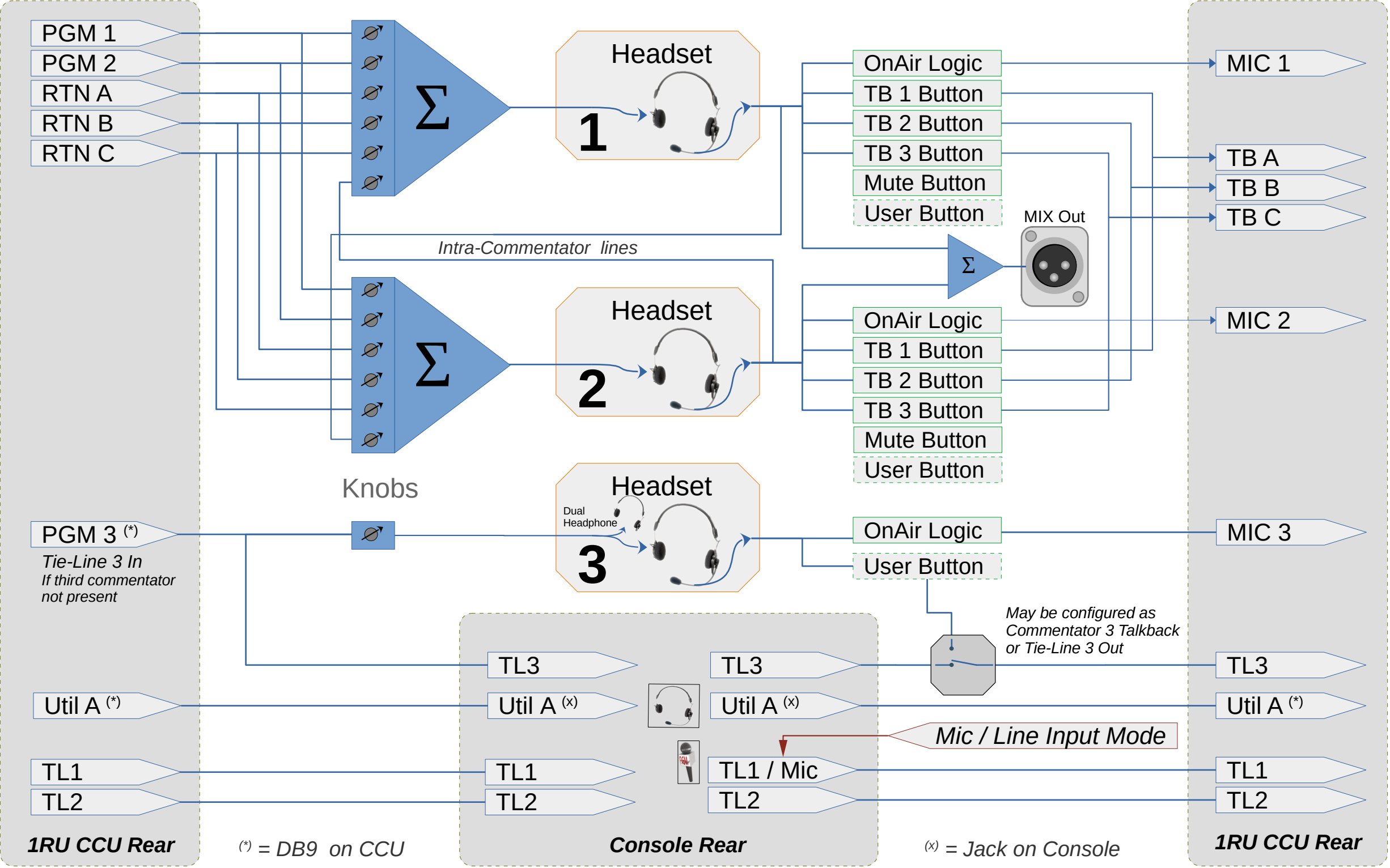
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A/V Commentary BOX



Structure

Connections Concept



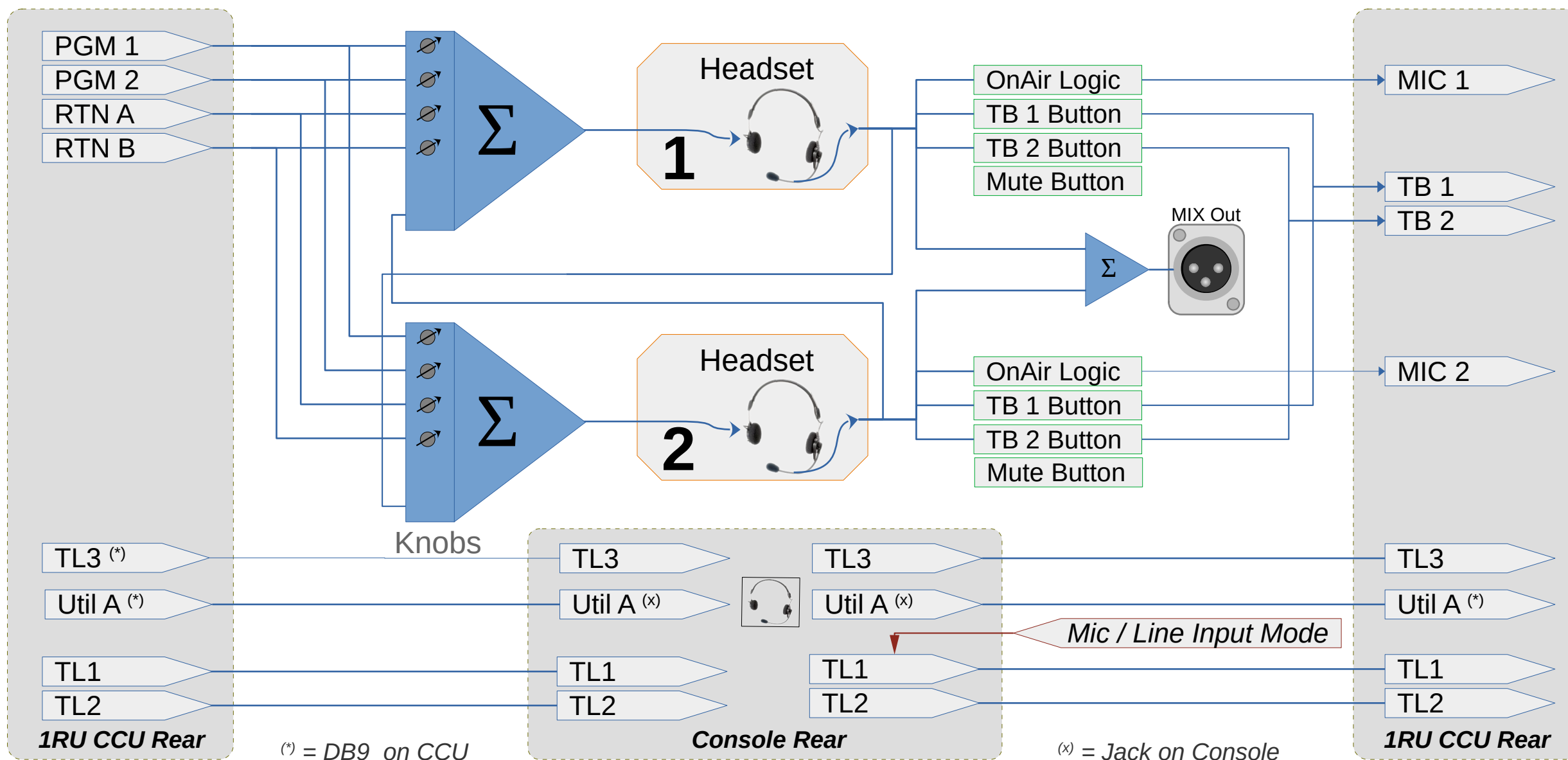
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A/V Commentary BOX



Structure

Two Commentators & Lite



ComMEDIA Lite

Same Audio features of Two Commentator without MIX Out
 One Bidirectional Video SDI 3G
 No FlexyBUS Slot
 No Hybrid, Fiber Switch, Fiber Extension Options
 Note: Video selector buttons present but inactive

Mix Out
 Remain active
 also if the
 connection to
 CCU is lost !

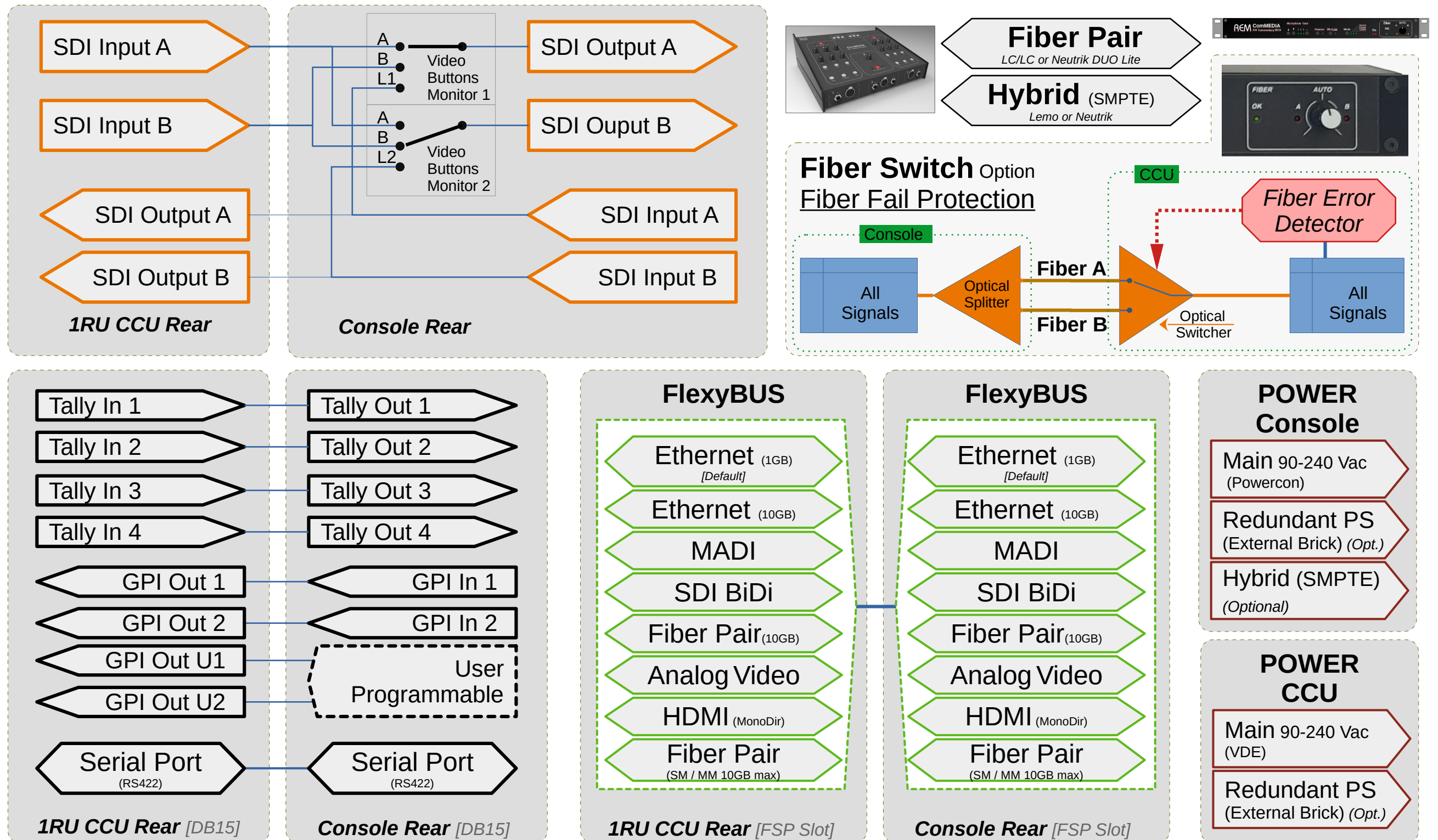
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A/V Commentary BOX

REM
Fiber Solutions

Structure

Video & Non Audio



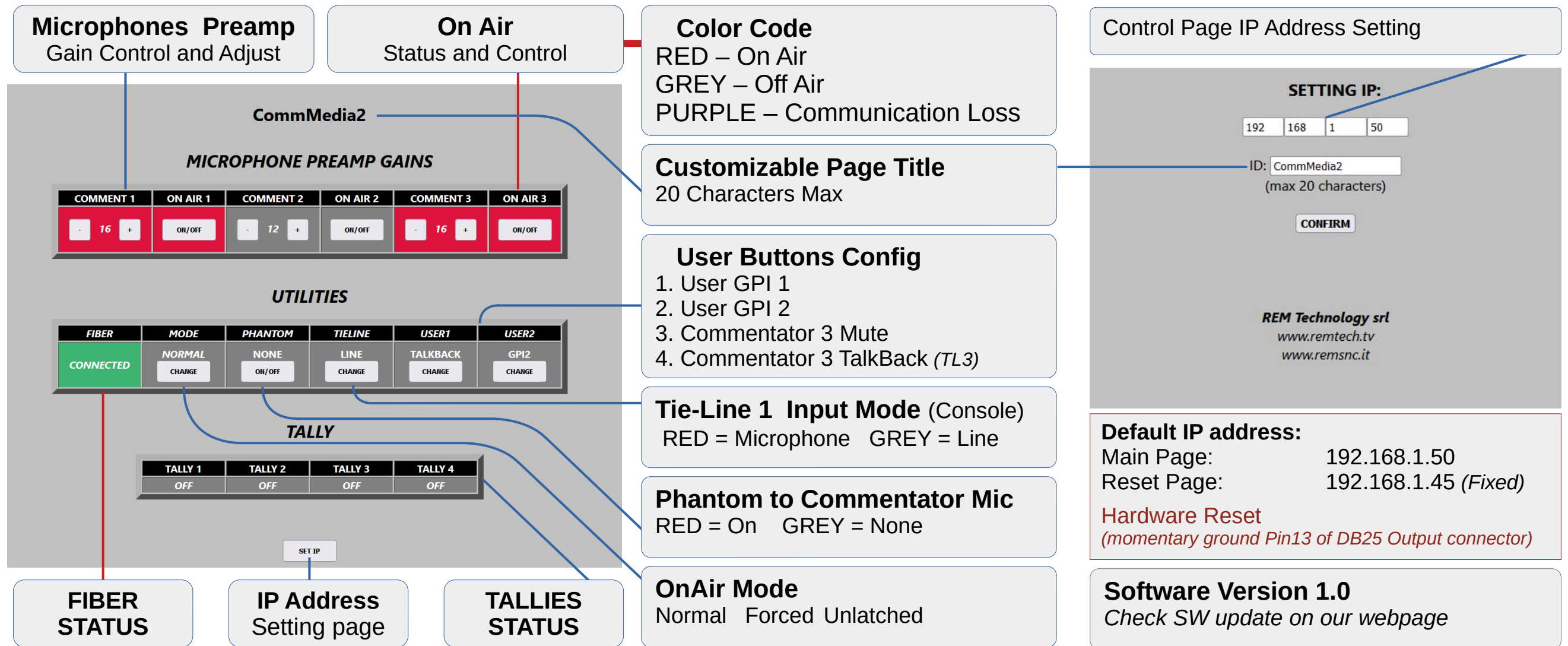
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A/V Commentary BOX



WEB PAGE

Browser Control Pages



ComMEDIA can be controlled and configured via a web browser, just connect a PC to WEB CTRL Port in CCU

ComMEDIA can be firmware updated via USB (USB CTRL Port) in CCU

* After Hardware reset only the Reset Page to set IP Address is active

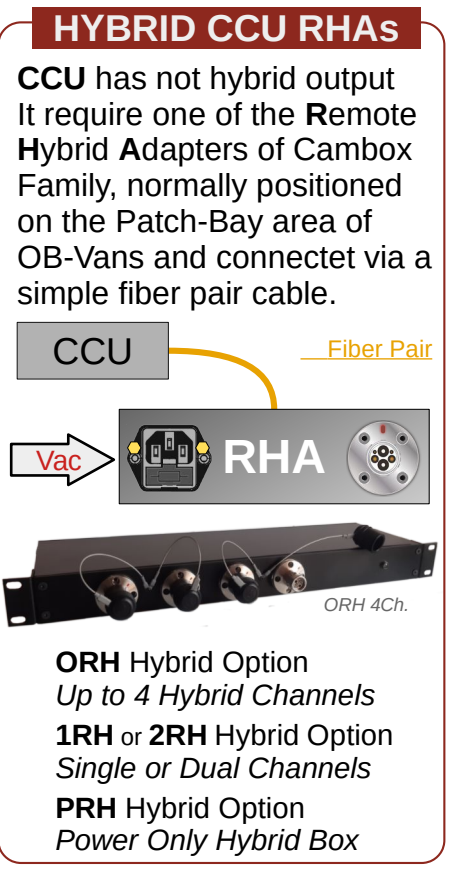
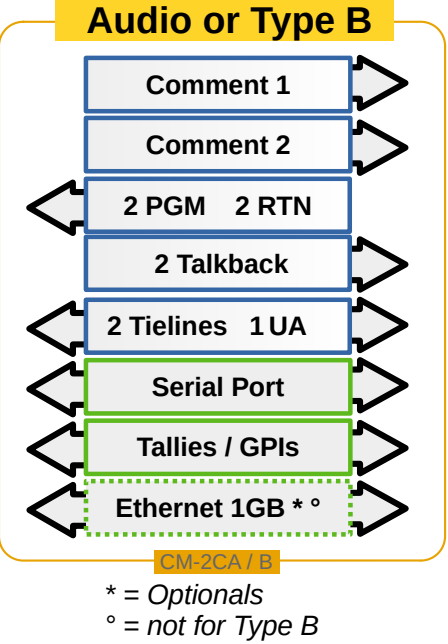
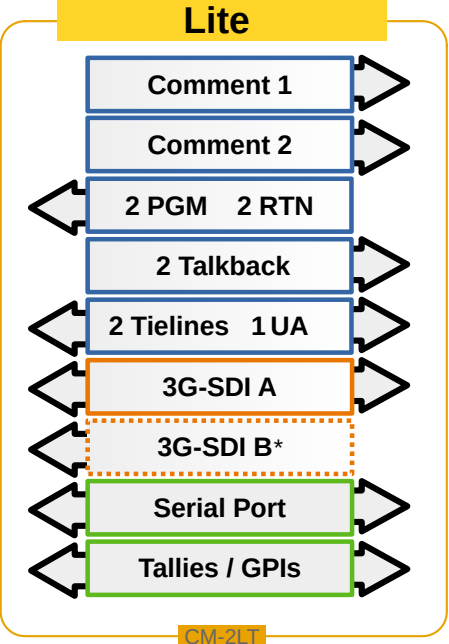
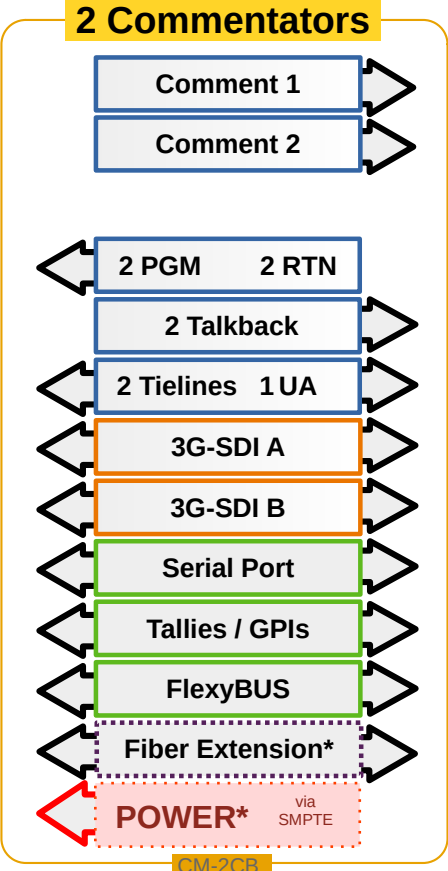
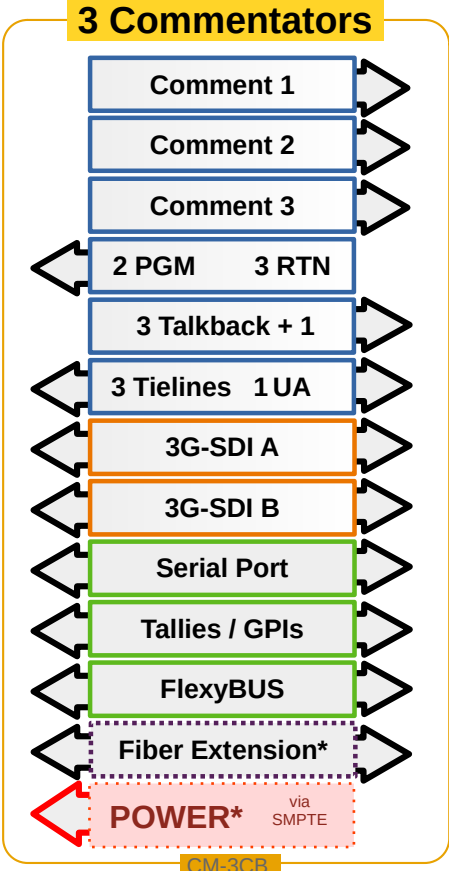
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A/V Commentary BOX



Other

Options & Details



Options

CM-RPS	Redundant Power Supply Brick (order 2 for Console plus CCU)
CM-RFC	Rugged Connection* (Contact your dealer for details)
CM-HSC	Hybrid SMPTE Connection° (Contact your dealer for details)
CM-FSW	Fiber Switch Redundancy System
CM-FEX	Fiber Extension Port
CM-XAC	Tie Lines DB25-XLR cable for Console (3 In – 4 Out 1mt.)
CM-XAI	Audio Input DB25-XLR cable for CCU (8 Input)
CM-XAO	Audio Output DB25-XLR cable for CCU (8 Output)
CM-TSA	Tally / Serial DB15 Adapter Y Cable (0,5 mt.)



→ www.remtech.tv
→ www.remsnc.it

FlexyBUS Option: (Pair Supplied)

FB-E10	10 GB Ethernet Port
FB-MAD	MADI Interface
FB-SDI	HD SDI BiDirectional
FB-SD3	3G SDI BiDirectional
FB-ANA	Analog Video Single Dir.
FB-HDM	HDMI Interface Single Dir.
FB-MMF	Multimode SFP
FB-SMF	Singlemode SFP(Specify WL)
FB-	

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A/V Commentary BOX



Specification

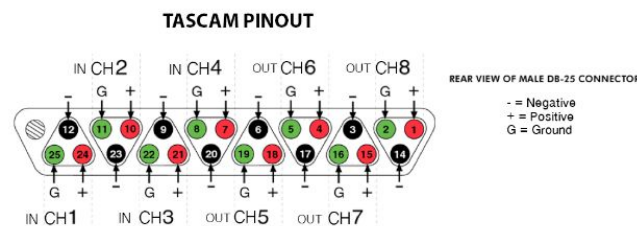
Connections Details

CCU Audio Inputs (DB25 - Tascam Pinout)

AUDIO	+	-	G	Signal
Ch 1	24	12	25	PGM 1
Ch 2	10	23	11	PGM 2
Ch 3	21	9	22	PGM 3 / Tie-Line 3
Ch 4	7	20	8	RTN A
Ch 5	18	6	19	RTN B
Ch 6	4	17	5	RTN C
Ch 7	15	3	16	Tie-Line 1
Ch 8	1	14	2	Tie-Line 2

CCU Audio Outputs (DB25 - Tascam Pinout)

AUDIO	+	-	G	Signal
Ch 1	24	12	25	MICROPHONE 1
Ch 2	10	23	11	MICROPHONE 2
Ch 3	21	9	22	MICROPHONE 3
Ch 4	7	20	8	TALKBACK A
Ch 5	18	6	19	TALKBACK B
Ch 6	4	17	5	TALKBACK C
Ch 7	15	3	16	Tie-Line 1
Ch 8	1	14	2	Tie-Line 2



Console Tie Lines (DB25-Tascam Pinout)

AUDIO	+	-	G	Signal
Ch 1	24	12	25	Tie-Line 1 In
Ch 2	10	23	11	Tie-Line 2 In
Ch 3	21	9	22	Tie-Line 3 In
Ch 4	7	20	8	----
Ch 5	18	6	19	Mix Out
Ch 6	4	17	5	Tie-Line 1 Out
Ch 7	15	3	16	Tie-Line 2 Out
Ch 8	1	14	2	Tie-Line 3 Out

CCU AUX (DB9 - REM Pinout)

AUDIO	+	-	G	Signal
Ch 1	1	2	6	Utility Audio In
Ch 2	7	8	3	Utility Audio Out
Ch 3	4	5	9	Tie-Line 3 Out

Console Utility Audio (Jack 3.5mm)

Pin	Signal
1	Headset Microphone
2	Ground
3	Headset Right
4	Headset Left



→ www.remsnc.it

Console / CCU Tally - Serial (DB15)

Pin Nr	CCU Signal	CCA Signal
1	Tally 1 In	Tally 1 Out
9	Tally 2 In	Tally 2 Out
2	Tally 3 In	Tally 3 Out
10	Tally 4 In	Tally 4 Out
3	Ground	Ground
11	GPI 1 Out	GPI 1 In
4	GPI 2 Out	GPI 2 In
12	User 1 Out	+5VDC (250mA)
5	User 2 Out	Do Not Use
13	Ground	Do Not Use
6	RS422 RX+	RS422 RX+
14	RS422 RX-	RS422 RX-
7	Ground	Ground
15	RS422 TX+	RS422 TX+
8	RS422 TX-	RS422 TX-

Tally – Serial Breakout Cable CM-TSA

Due to Tally/GPI connections this cable is customer care but a simple half meter Y cable is available and is valid for both side (if used on CCU the USB Out isn't active)

DB15
ComMEDIA
DB9 Female
Serial Port RS422
USB Female
(Power Only)
DB9 Male
(Tally-GPI)

Console

Power 20W (90/240 Vac) Max
Size (L,P,H) 300, 290, 110 mm.
Weight 2,5 Kg.

CCU (Control Unit)

Power 25W (90/240 Vac) Max
Size 1RU, 200 mm. deep
Weight 2,3 Kg.

Preliminary.
Subject to
change