

The Compact Line

Networked Metering and Control

RTW
EYES ON YOUR AUDIO

Networked Metering and Control



TouchControl 5



TouchMonitor 5

EYES ON YOUR AUDIO



Compact Line

Background
What is it?

- Audio Network: Dante® or Ravenna® versions
  AES67 / ST2110, NMOS
- Truly Immersive with support for ultrachannel formats such as Dolby Atmos
- Monitor Control, Metering, Tools
- Come fully loaded with RTW’s trusted, loudness-compliant metering
- Networked setup and control while fully operational in stand-alone mode

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Background
Who is it for?

- Broadcast (5.1 surround)
  - Live production
  - Ingest
  - Post Production
- Producers & Studio Engineers (7.1.4 Immersive)
- Facilities with Network-based Infrastructure
- Radio

Compact Line

Features

Customize Your View



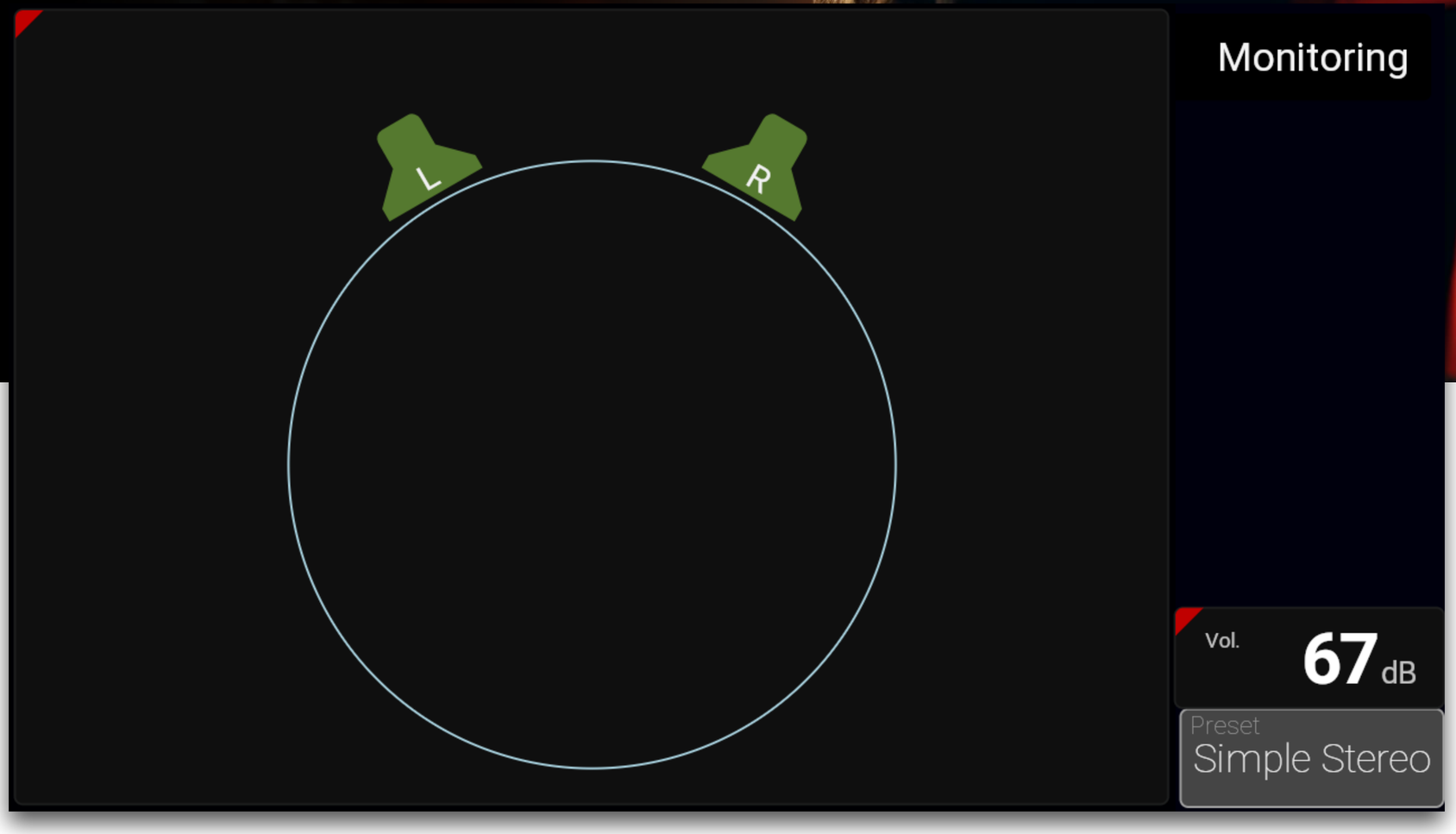
- Placement
- Size
- Rotation
- Multiple views

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Compact Line

Features

Simple

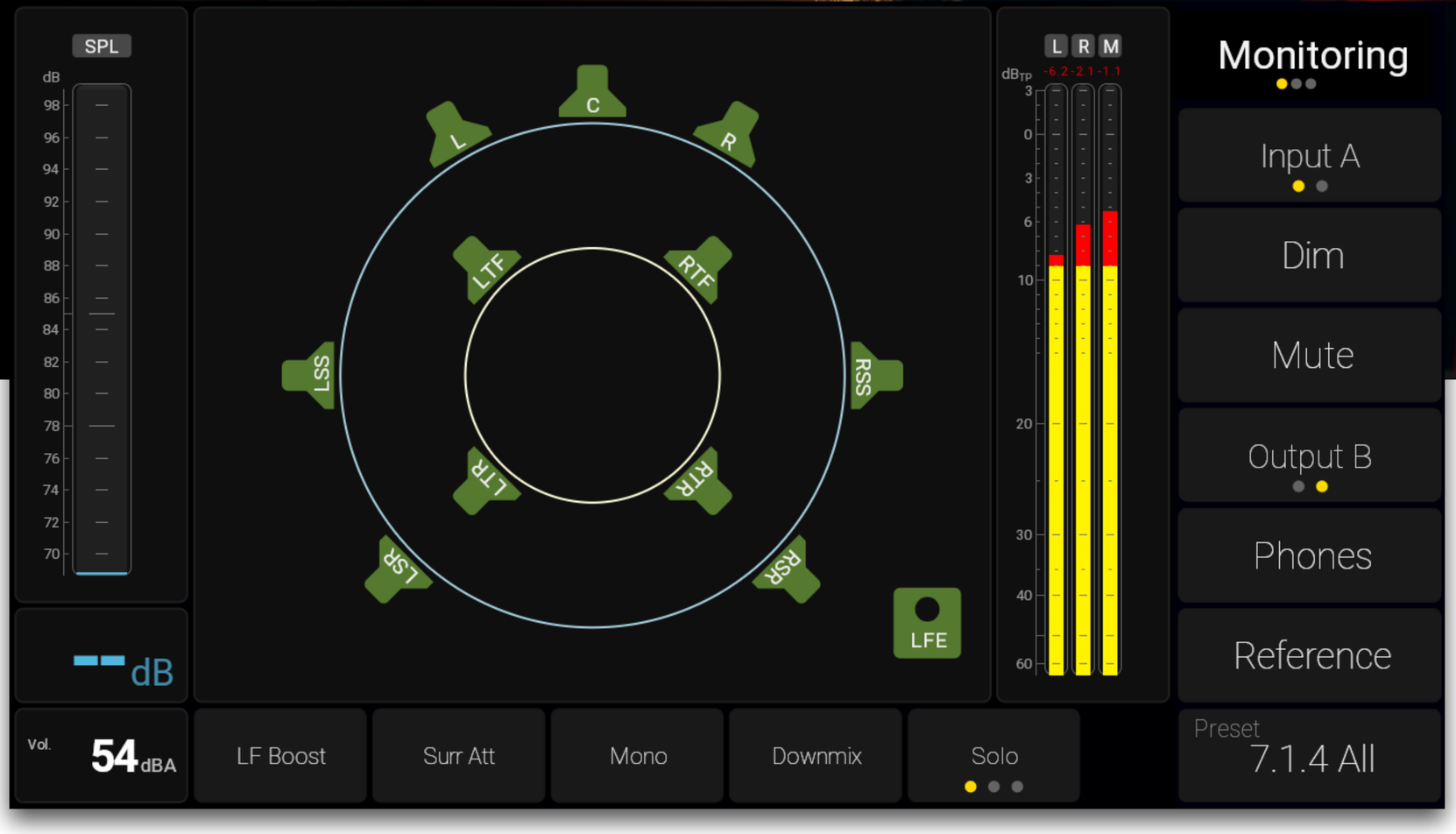


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Features

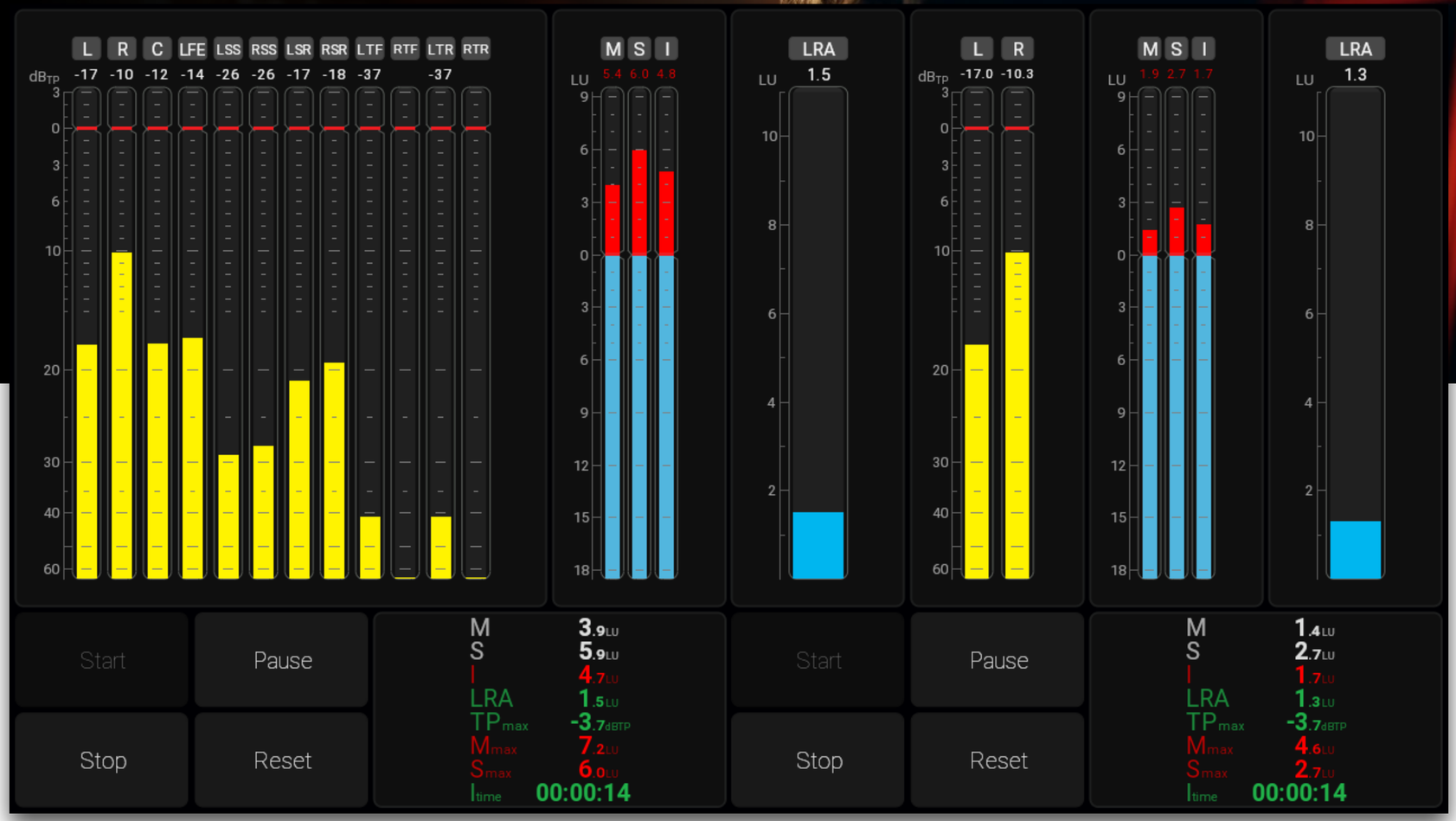
Atmos



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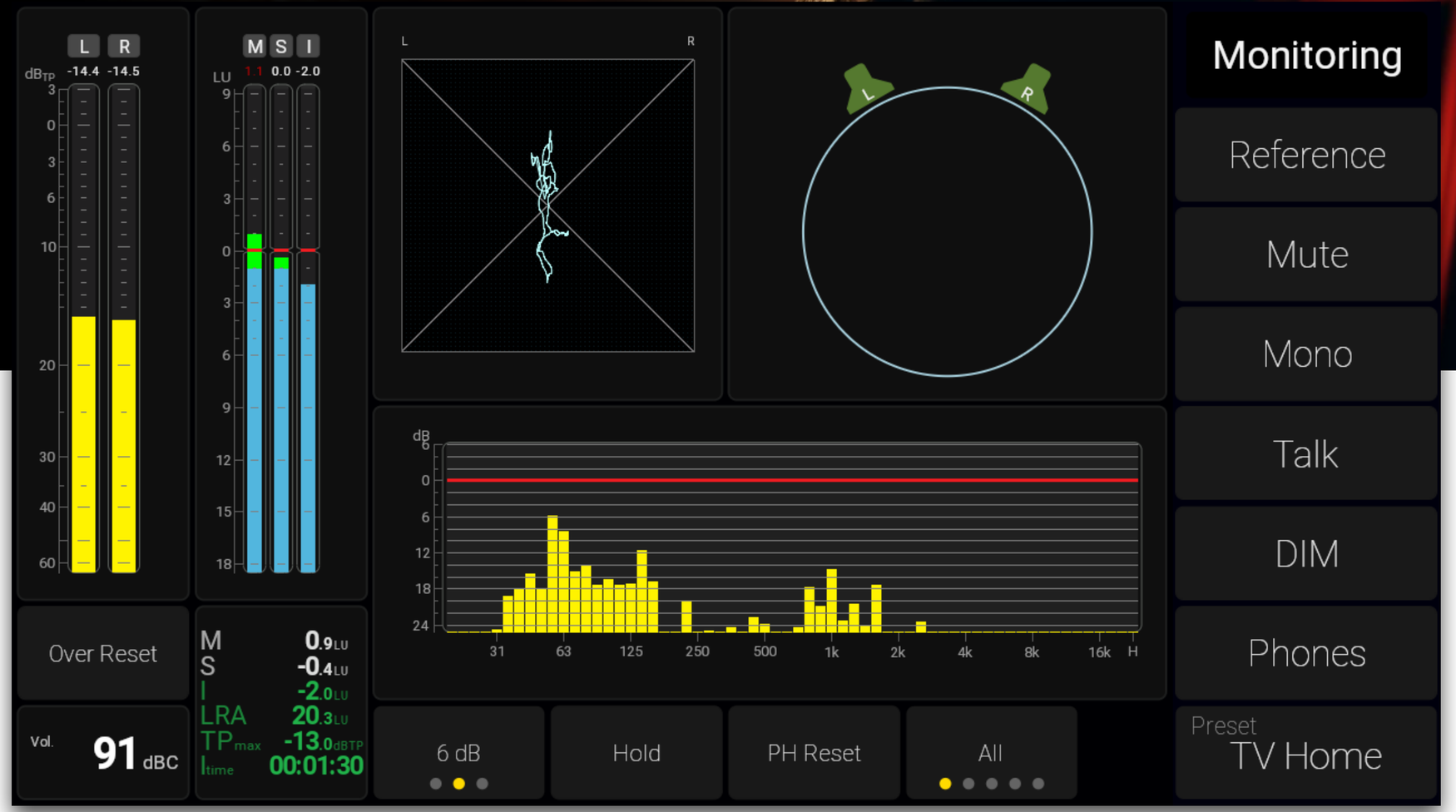
Features
Metering



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Features
Combination



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Compact Line

Features

RTW Metering Inside



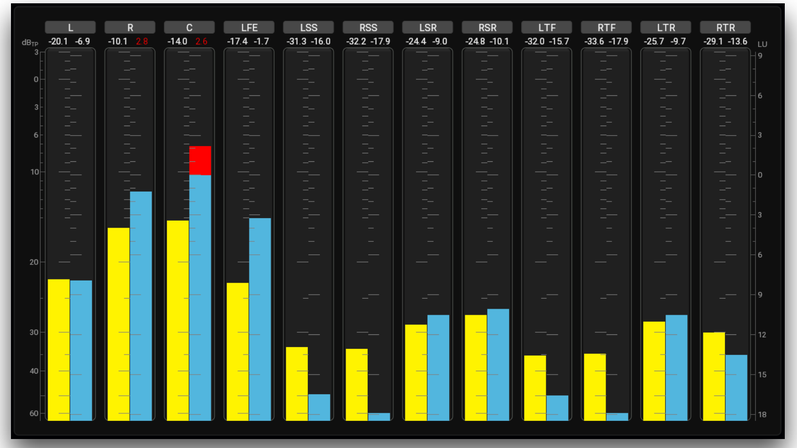
- RTW Metering, known from the TouchMonitor Series
- Always Reliable. Always Flexible. Always Compliant

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Features
Loudness





- Full implementations of the latest loudness standards and recommendations: EBU R128, ITU-R BS.1770-4/1771-1, ATSC A/85, ARIB, OP-59, AGCOM, CALM, LEQ(M), TASA, SAWA
- Bargraphs for summed Loudness with Momentary, Shortterm, Integrated values
- Numerical display of all relevant values like M, S, I, LRA, TPmax, Mmax, Smax, Itime
- LRA Instrument

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Features
PPM



- Any feature that any broadcaster has ever asked for in the history of metering :-)
- Scale Marker
- Operation Range
- DC filter
- Spot Correlator
- Integration Time
- Custom Colors

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Features

More…

- Moving Coil / British VU



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Features
More…

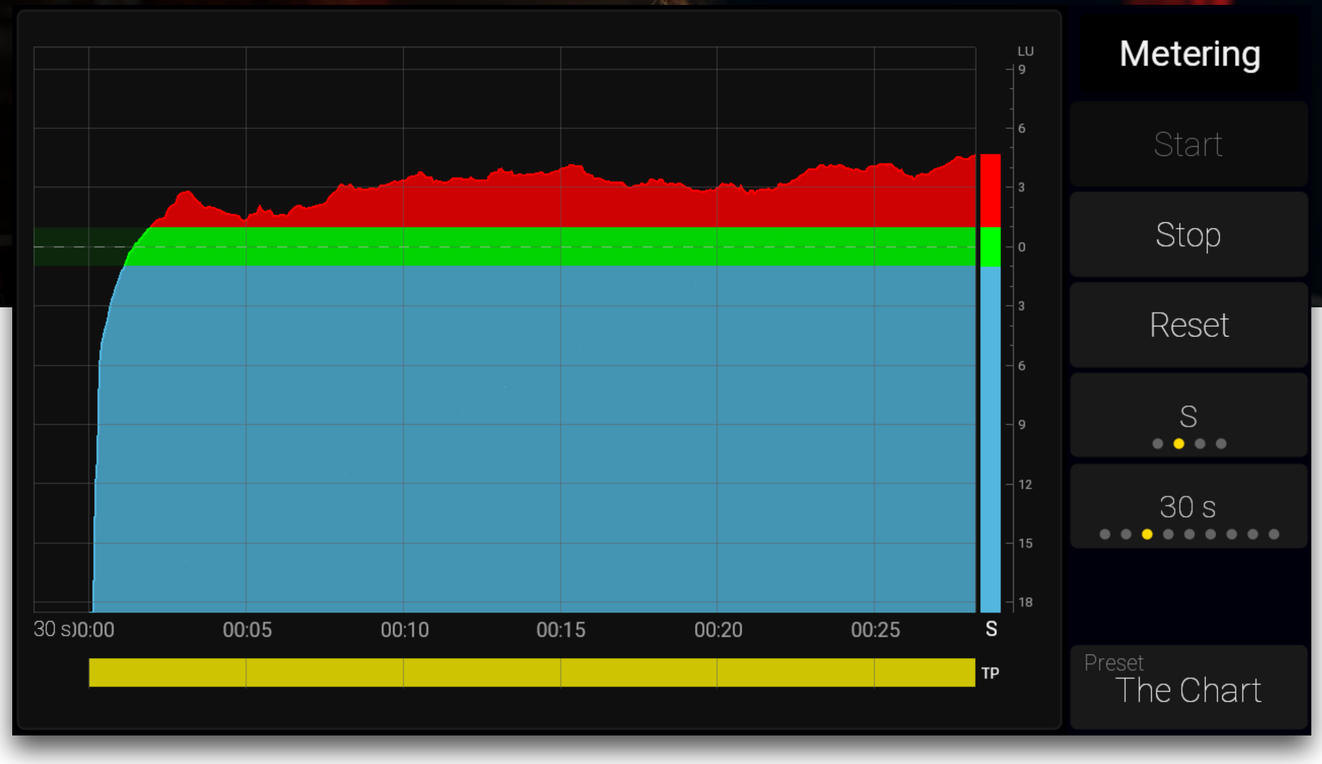


- Moving Coil / British VU
- VectorScope

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Features
More…

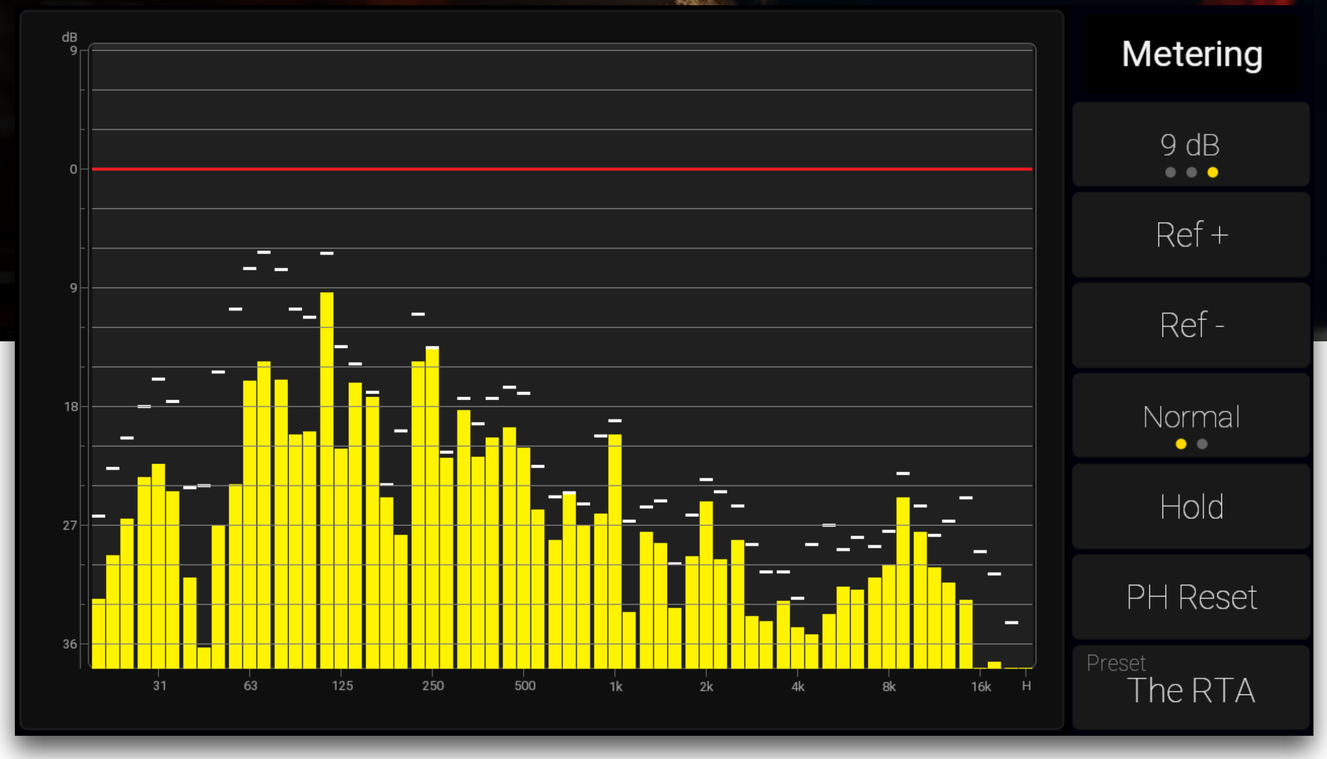


- Moving Coil / British VU
- VectorScope
- Loudness Chart

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Features
More…



- Moving Coil / British VU
- VectorScope
- Loudness Chart
- Realtime Analyzer

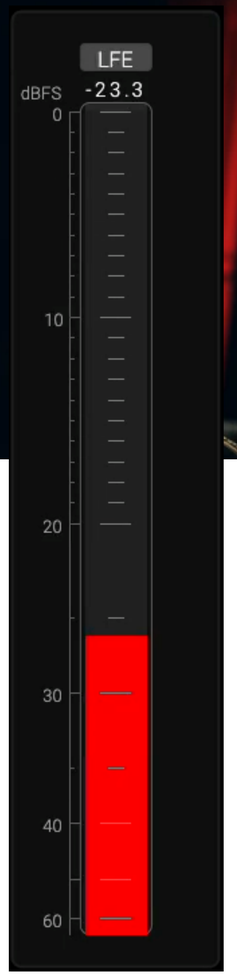
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NEW

Features

New: LFE Bleed



- Avoid high frequency content in your LFE Channel
  - Monitors energy above a defined threshold (120 Hz by default) with a compact dBFS bargraph, highlighting any leakage into the LFE channel(s).
  - Recommends limiting the LFE frequency range to maintain compatibility and avoid distribution problems.
  - Ensures that unwanted high-frequency content is not present in the LFE channel(s), preventing playback issues across encoders and binaural formats.

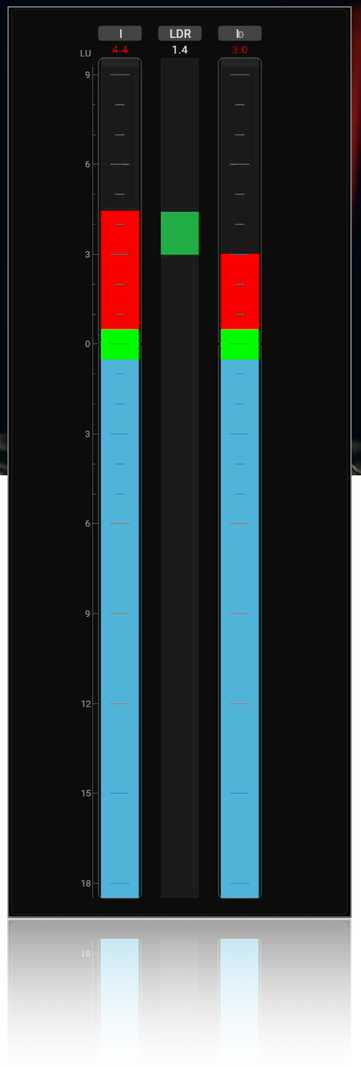
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Compact Line

NEW

Features

New: The Ratio Instrument



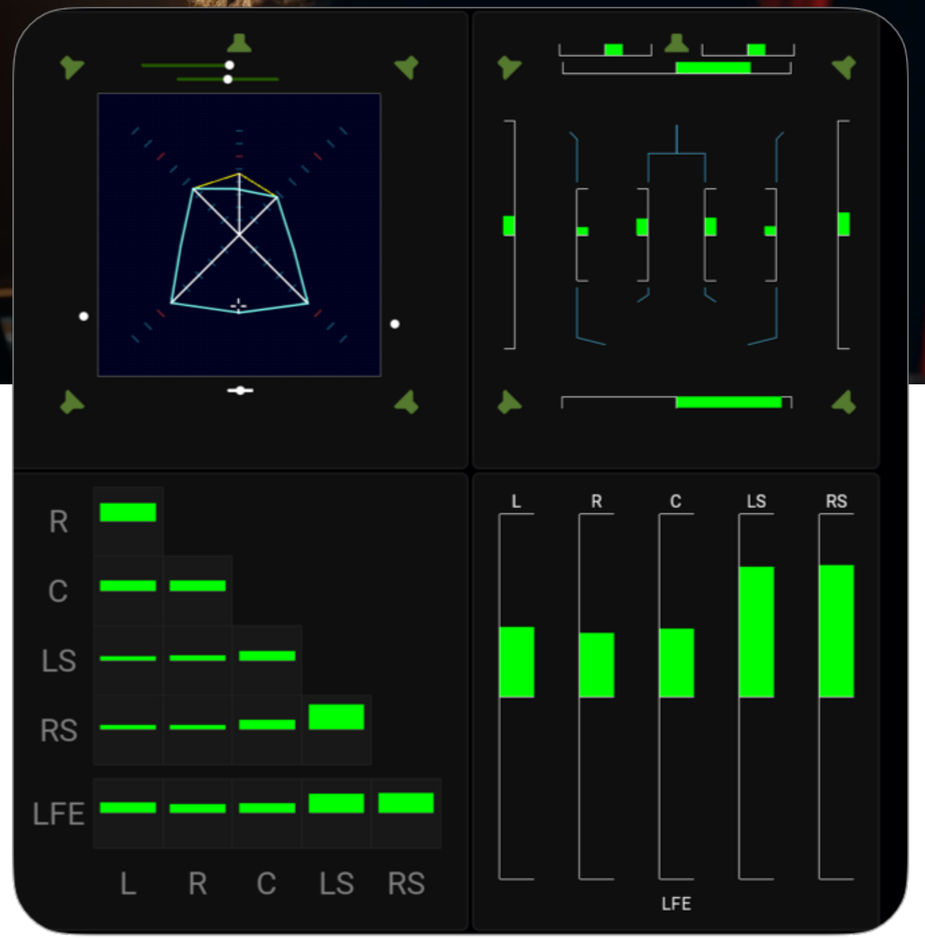
- Keep an Eye on the Dialogue Ratio
  - Displays the ratio between two measurements, enabling precise evaluation of ratio and consistency.
  - Supports key use cases such as Loudness-to-Dialog Ratio (LDR) and Background-to-Dialog Ratio (BDR) within a single source.
  - Compares loudness across different sources or renderings (e.g., pre/post processing, immersive vs stereo), revealing the impact of processing and format changes

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NEW

Features

Surround & Immersive Instruments



- Immersive Sound Analyzer
- MatrixCorrelator
- MultiCorrelator

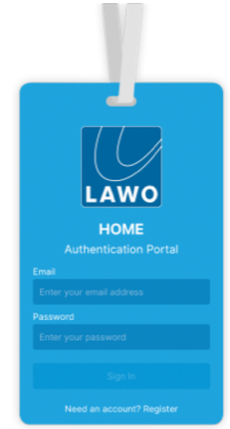
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Features
External Logging & Integration

- LAWO HOME Integration
- Prometheus & Grafana Monitoring
- Genelec Smart IP Speaker Control
- NMOS IS-07 Event Support

NMOS



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Features

Action Instrument & OSC



- Support for Open Sound Control
  - Create customizable buttons with user-defined size, position, and color.
  - Trigger actions via Open Sound Control (OSC over TCP/UDP) or HTTP.
  - Two-way OSC: TMxCore also reacts to incoming commands such as preset recall, loudness control, reference level, and mic gain.
  - Actions is integrated in current buttons (Mute, Dim, etc.), too

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Network Display

Eyes on your Audio from Everywhere

NETWORK DISPLAY





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Network Display

Eyes on your Audio from Everywhere



NETWORK DISPLAY

- Add an extra screen to your device
- Any browser, anywhere
- Show a different view than the device screen

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TouchControl 5

Metering meets Monitor Control

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User-Configurable 5“ Touch Display

Integrated, Calibrated Microphone for Talkback and SPL Measurement

Level Control with User-Definable Key Functions



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Features
Rear

Studio Grade Microphone Input with 48v

Analog Line Outs for External Speakers



Audio over IP
Power over Ethernet

Studio Quality Headphone Outputs

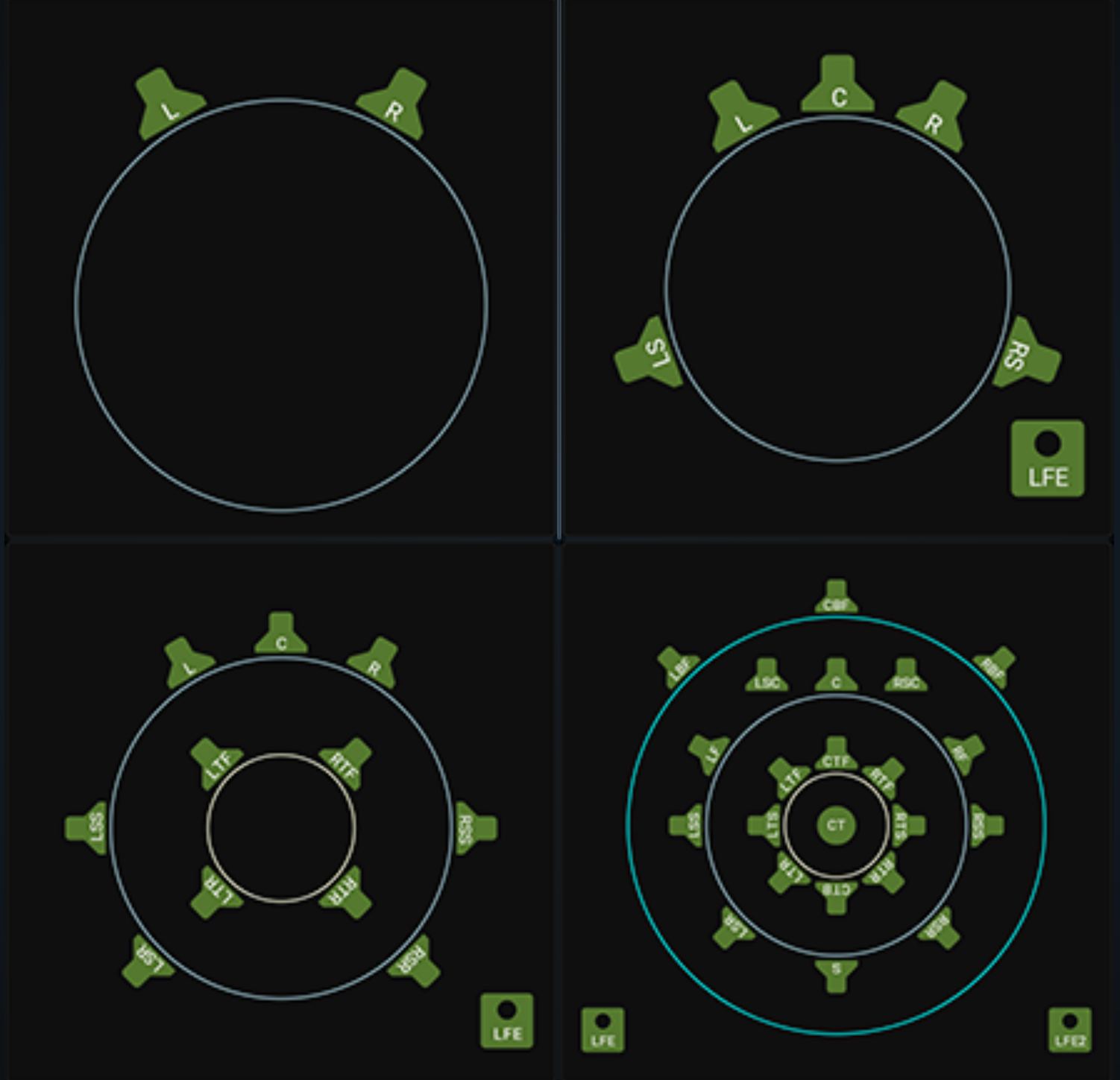
TouchControl 5



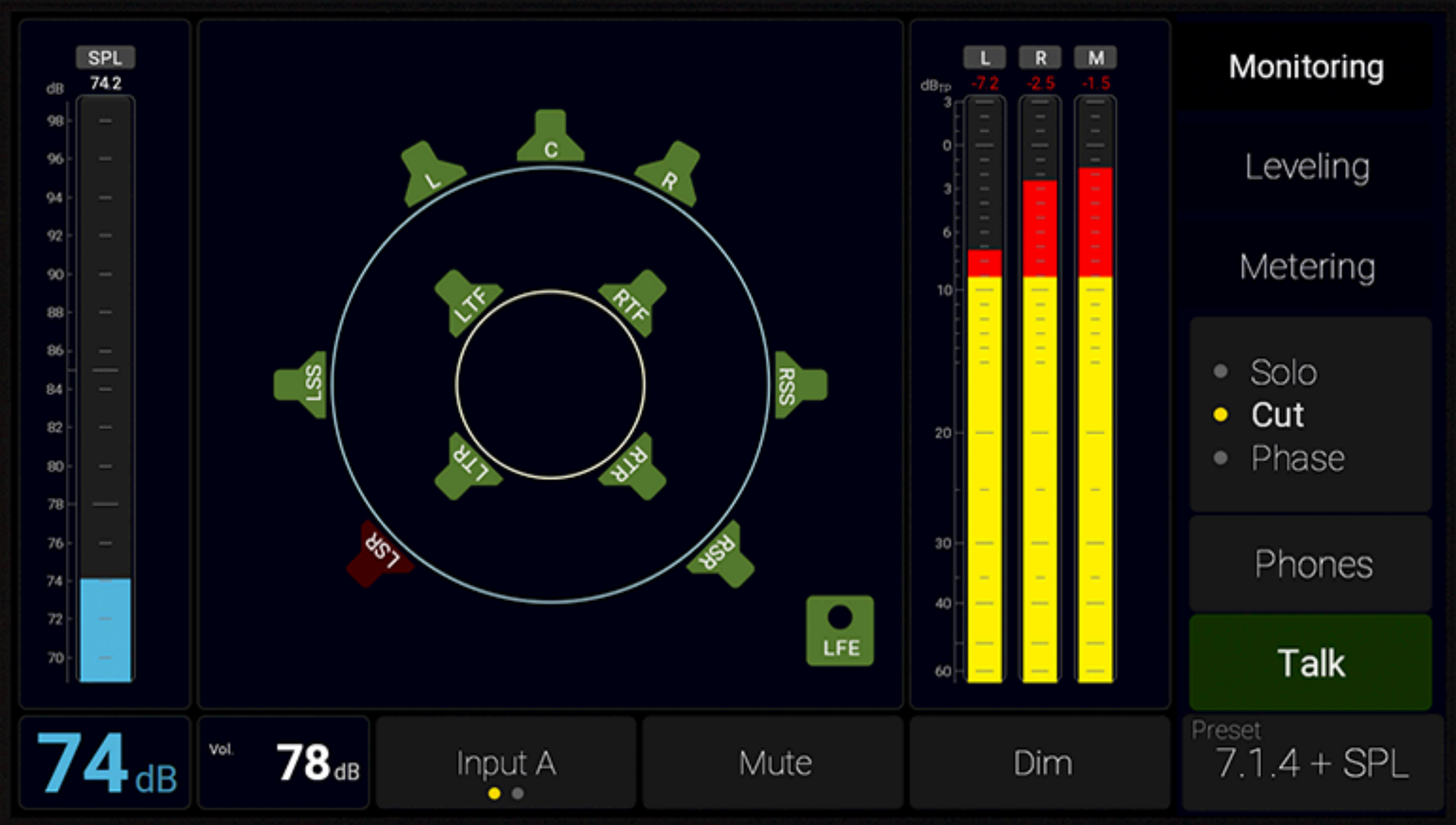
Ultra Channel

From stereo, over surround to immersive

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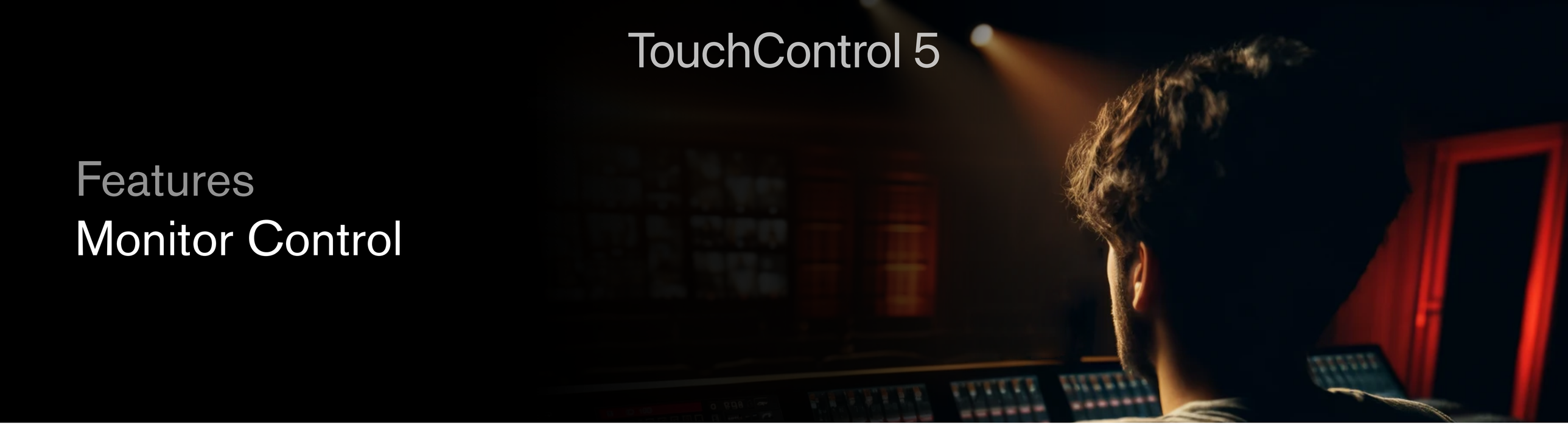


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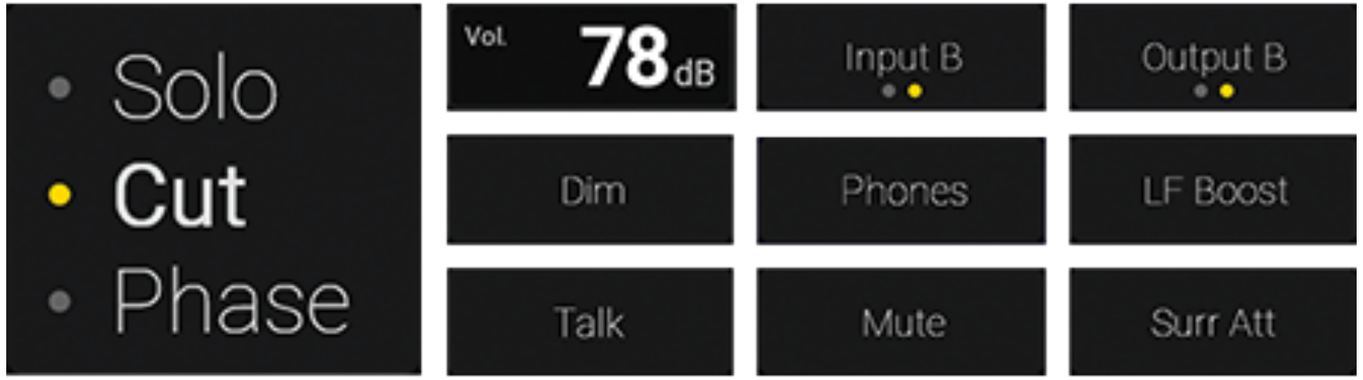
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Features
Monitor Control

- Solo, Cut, Phase
- Mono, Dim, Mute
- Phones, Talk
- Low Frequency Boost (+10dB)
- Surround Attenuation (-3dB)
- Input and Output Selector

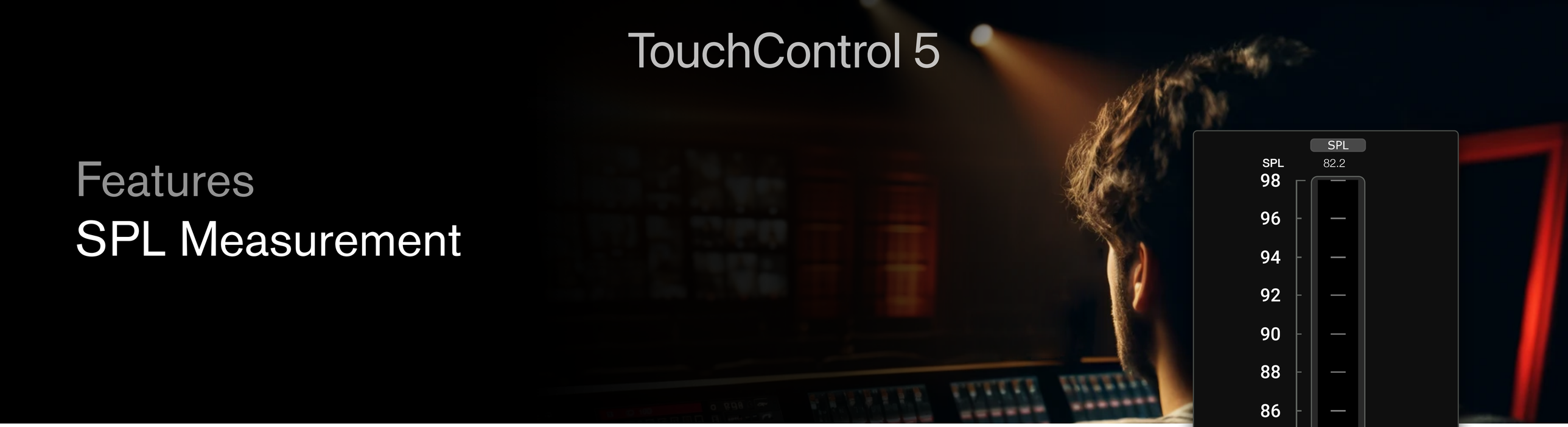


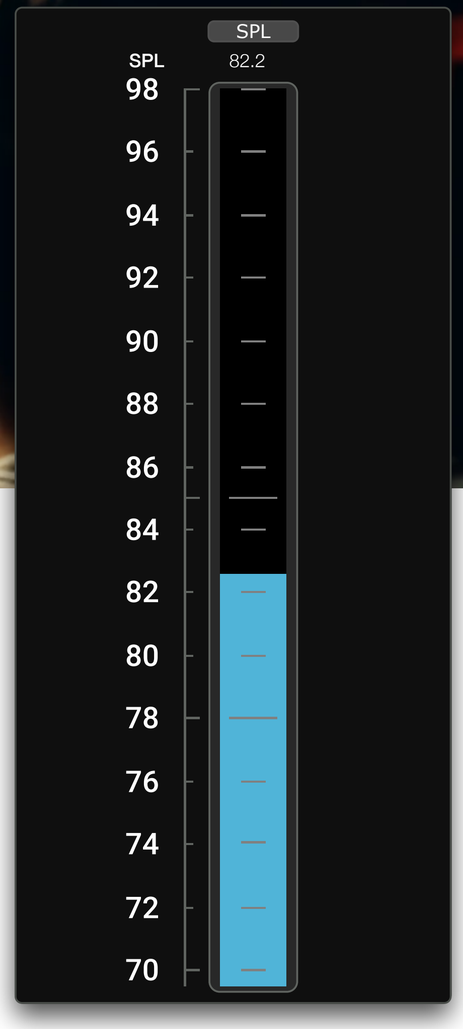
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Features

SPL Measurement





- SPL Readout
- Based on MIC, XLR or Measurement

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Features
Bass Management



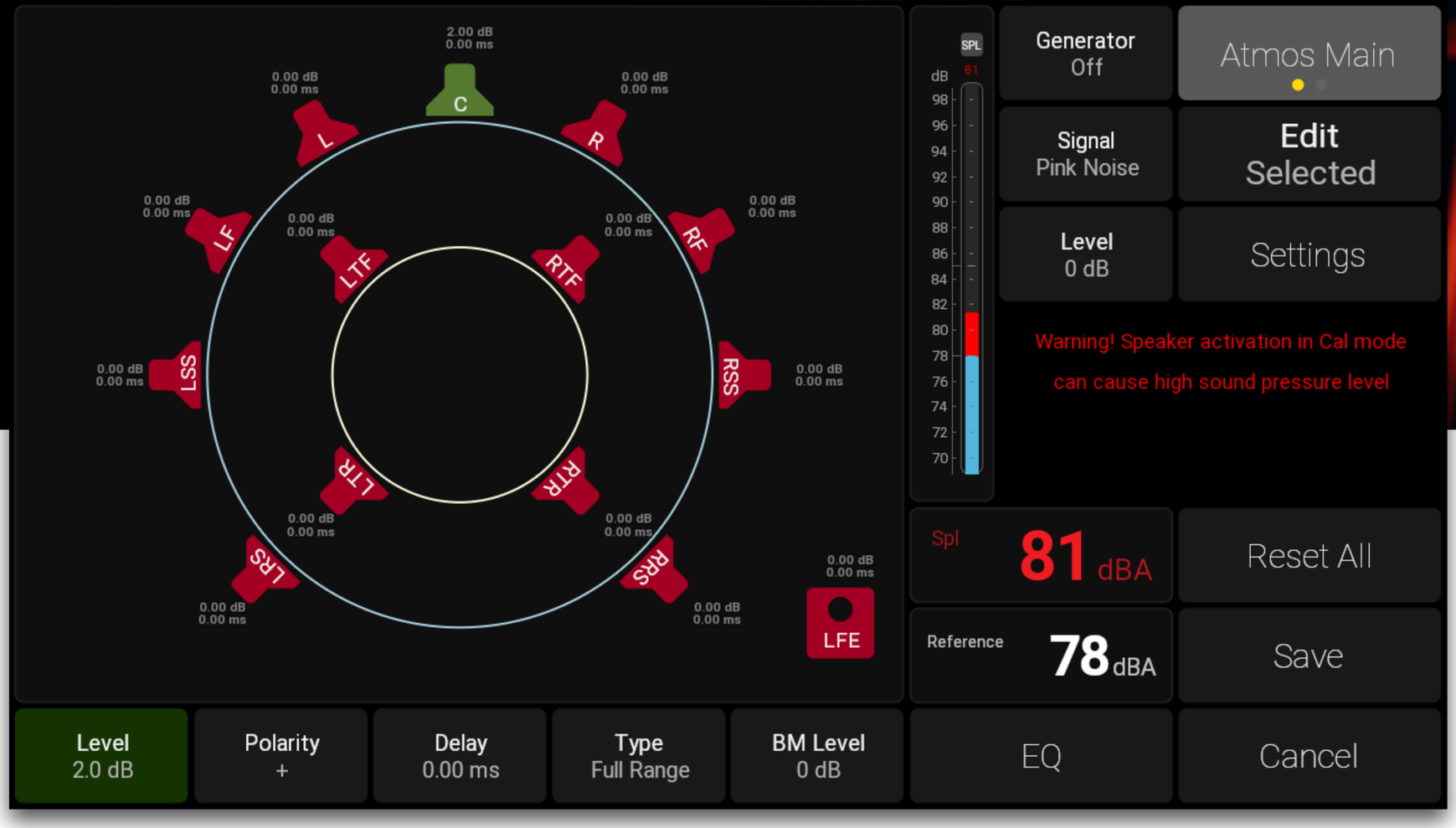
- Variable Frequency and Send Level Per Speaker
- Overall Sub Level
- Support for Dual Bass Management SUBs
- Phase Safe Mode

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Features
Calibration

- Level, Polarity, Delay
- Tone Generator
- SPL Measurement



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Features
EQ



- 8 Band EQ

  Peak, Low Shelf, High Shelf, Low Pass, BandPass, High Pass, All Pass 2nd Order, All Pass 4th Order, Notch

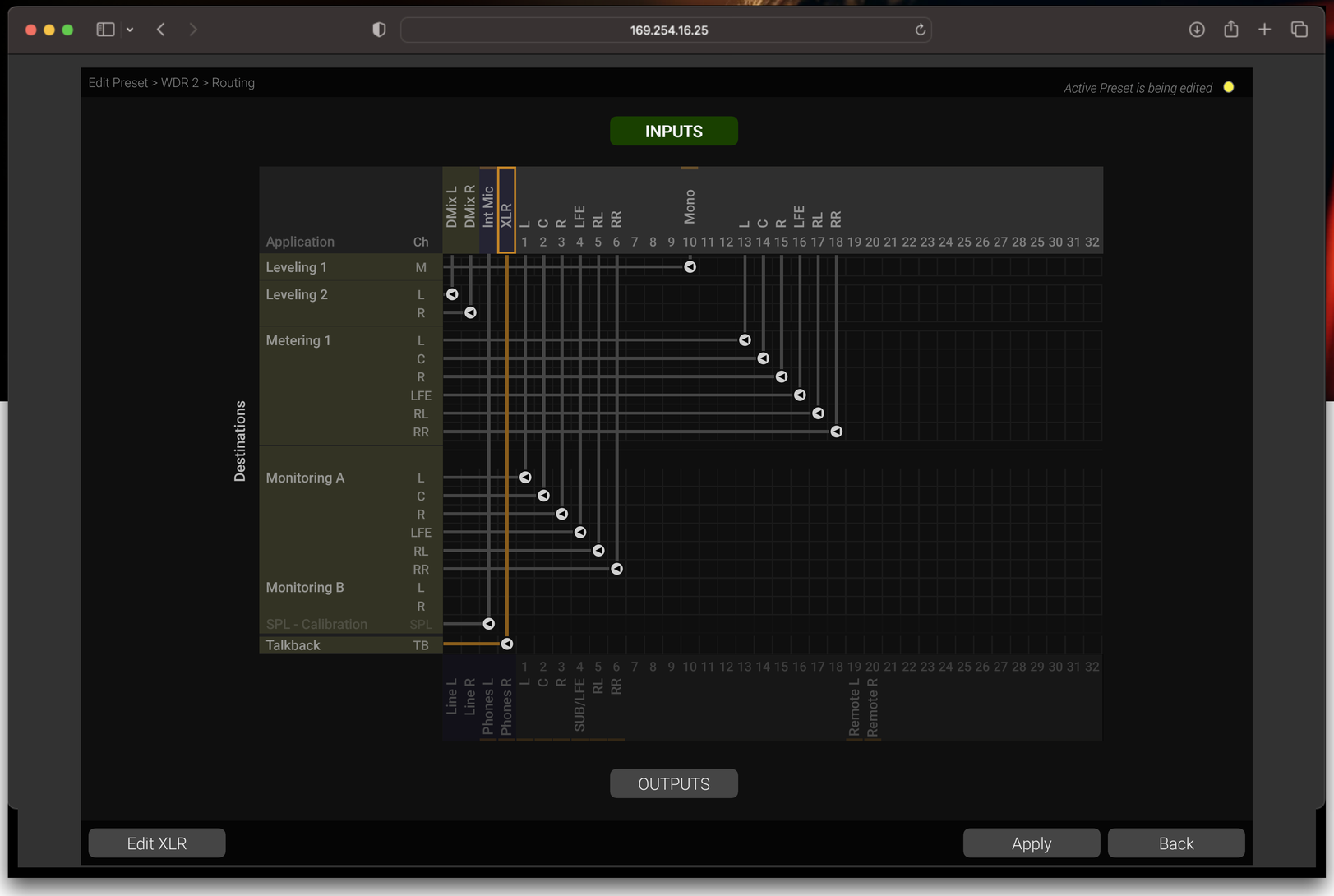
- Per Speaker
- Dolby Music Curve

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Features
Talkback

- Talkback
  - Built-in
  - External XLR



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Features
InterCOM



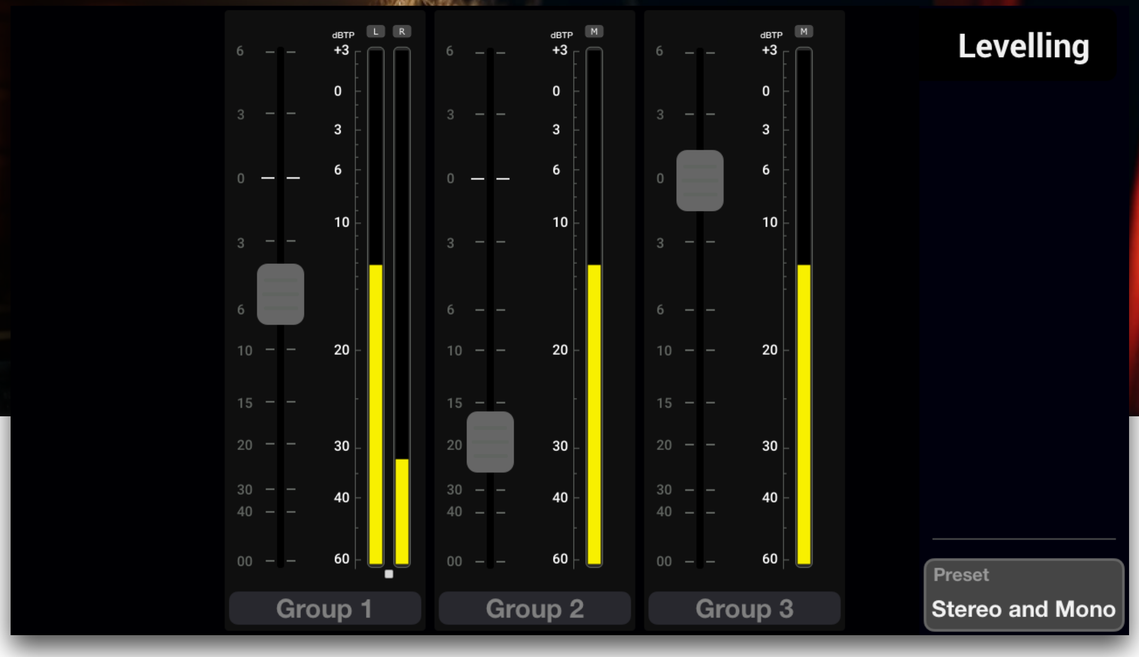
- Users of multiple TouchControl 5’s in the network can communicate
- Input Control Instrument
- Mute, Level

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Features

Faders, faders, faders



- Level Control
- Fader with PPM, True-peak and phase
- Control multiple groups of channels
- Relative Levels with knob control

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Licenses for Compact Line
Unlock More Features

- **Surround and Immersive Instruments**
  Unlocks advanced metering instruments for surround and immersive formats.
- **Network Display**
  Enables external display in any standard web browser.
- **External Logging & Integration**
  Unlocks advanced integration and external logging capabilities



Users

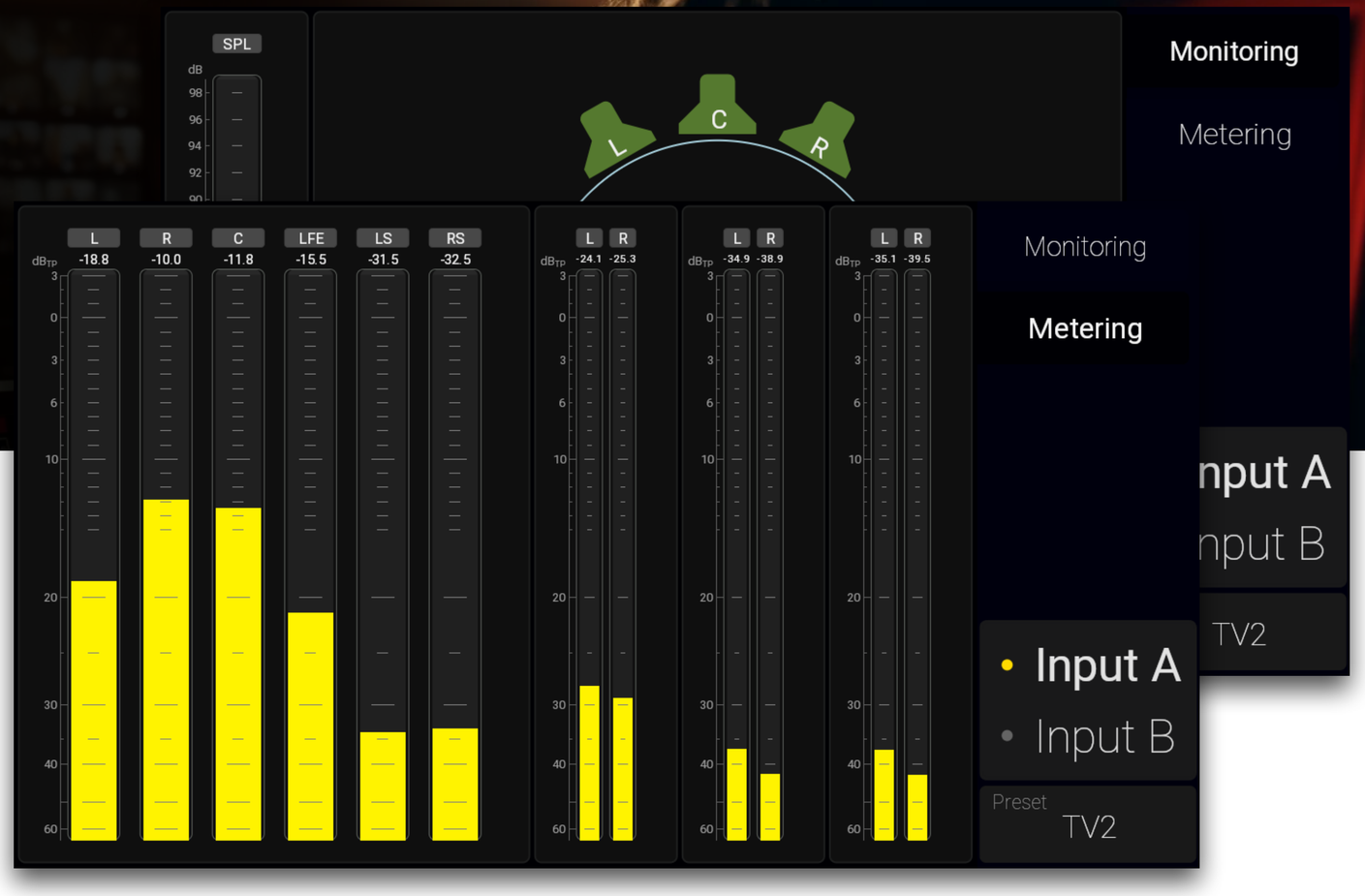
Who makes use of the Compact Line?

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Compact Line

Who?
Customers

- Broadcast: Control Room
- 5.1 Control
- 5.1 + Stereo + Stereo + Stereo

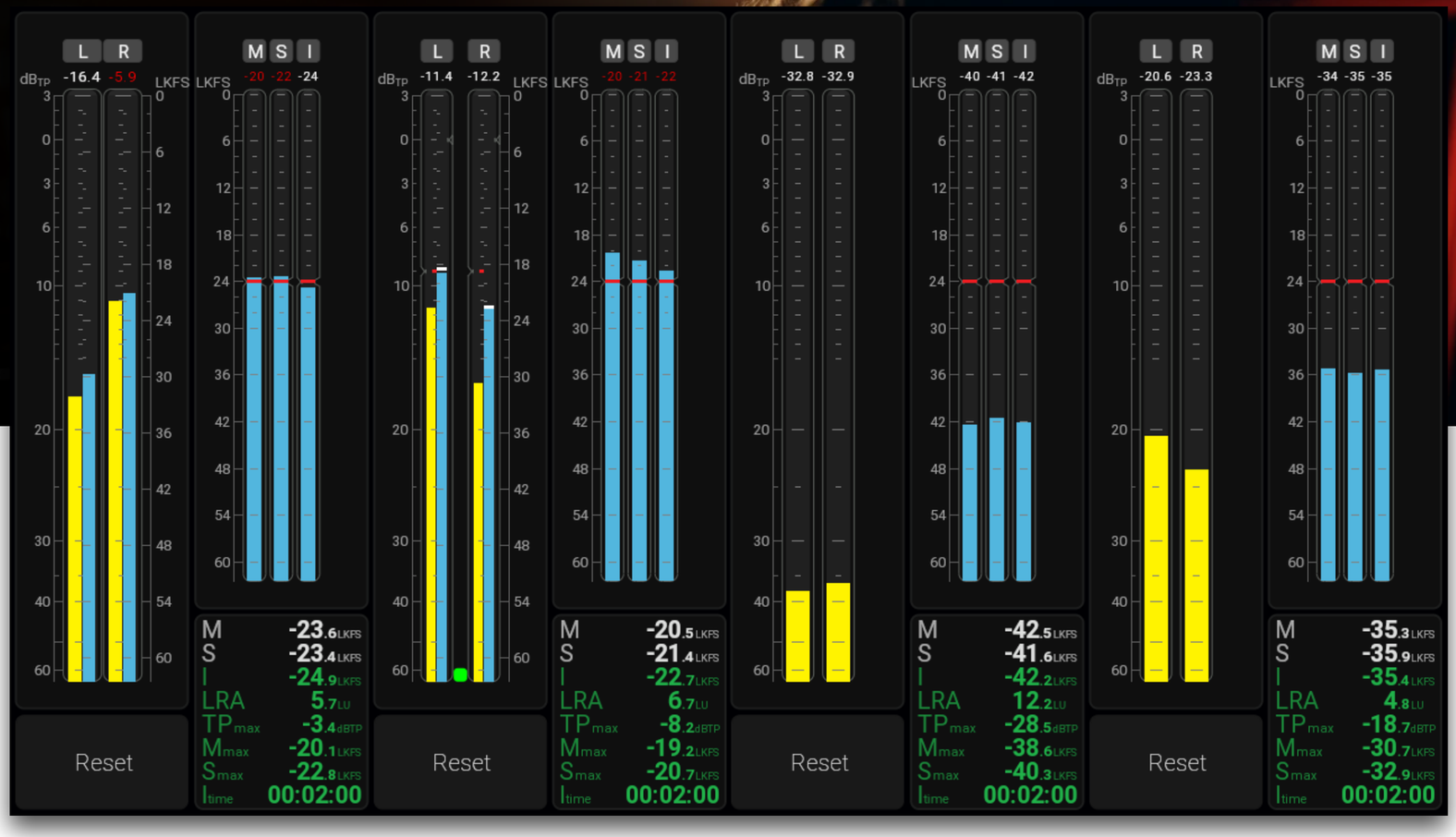


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Who?
Customers

- Radio Station
- Levels & Loudness
  - Studio
  - Control
  - News
  - Weather



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Who?
Customers

- TV2
  - National Broadcaster
  - 8 Regional Stations
- 30 x TouchControl 5 (Main Facility)
- Application:
  - Live Production
  - Control Room Stations

Compact Line

Customer

TV2



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Customer
TV2



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More information

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