

AIRENCE

Transforms your idea's into reality



P R O D U C T I O N | O N - A I R C O N S O L E

Unlimited numbers of inputs
Split version design
Budget friendly
Program and Sub busses
USB control section included

Ideal for production and On-AIR use
Studio, Announcer and Phones outputs
Bi directional Cue communication buss
Two dedicated positions for Telco|VoIP|WPC
Internal NON STOP switching

DR

Control Over Every Aspect of Radio

Introducing the AIRENCE mixer: a modern, split-version radio mixer offered at an exceptional price point. Handcrafted with precision and built around proven low-noise circuitry, it combines intelligence with practicality.

This mixer is a dependable tool for self-operated production DJs, featuring built-in Telco|VoIP or WiFiPhone Channels, 4 USB channels, and 4 low-noise Mic inputs. The AIRENCE is a comprehensive radio system ideal for ON-AIR broadcasting, production tasks, and seamless web streaming.

It effortlessly integrates with your Play-out software, controlling up to 4 stereo channels instantly. Housed in a robust RF shielded chassis with elegantly rounded corners, the AIRENCE is designed to be “dropped” into your furniture, lending your setup a professional radio aesthetic.

With over 52 years of expertise from D&R, the AIRENCE is a testament to reliability and strength, offering everything you need to realize your radio ambitions without compromise.

MIC, LINE, USB, and Hybrids.

Explore the features of the AIRENCE main unit, designed to optimize your radio broadcasting setup:

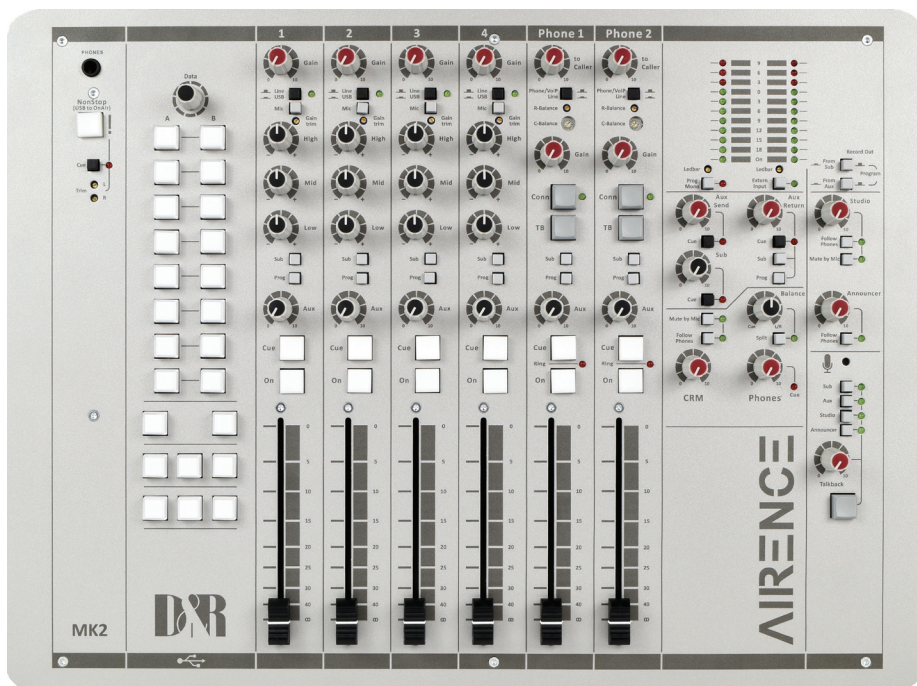
- Equipped with 4 balanced, phantom-powered mic inputs featuring inserts for voice processors.
 - Includes six stereo line inputs, 4x USB channels, and 2x Telco/VoIP connections.
 - Utilizes a single USB connection for transferring 4 stereo audio channels to and from your PC.
 - Channels 5 and 6 offer stereo line inputs and RJ-11 connectors for analog telephone line and desk phone integration.
 - High-quality built-in Hybrids with Talkback to Hybrid channels ensure seamless communication with callers.
 - The Cue bus doubles as a communication bus, facilitating easy discussions between announcers and callers outside the broadcast; simply press the related CUE buttons to engage.
 - Features a musical 3-band Equalizer on channels 1-4 and all 6 Triple input channels of the Extender Unit.
 - The stereo Aux send can be selected pre or post fader, offering flexibility in audio routing.
- All high-quality, low-noise mic inputs are equipped with low-cut jumpers for enhanced audio clarity.



COMPREHENSIVE MASTER SECTION TAILORED FOR RADIO BROADCASTING

The AIRENCE master section is meticulously crafted to accommodate all essential controls for radio broadcasting:

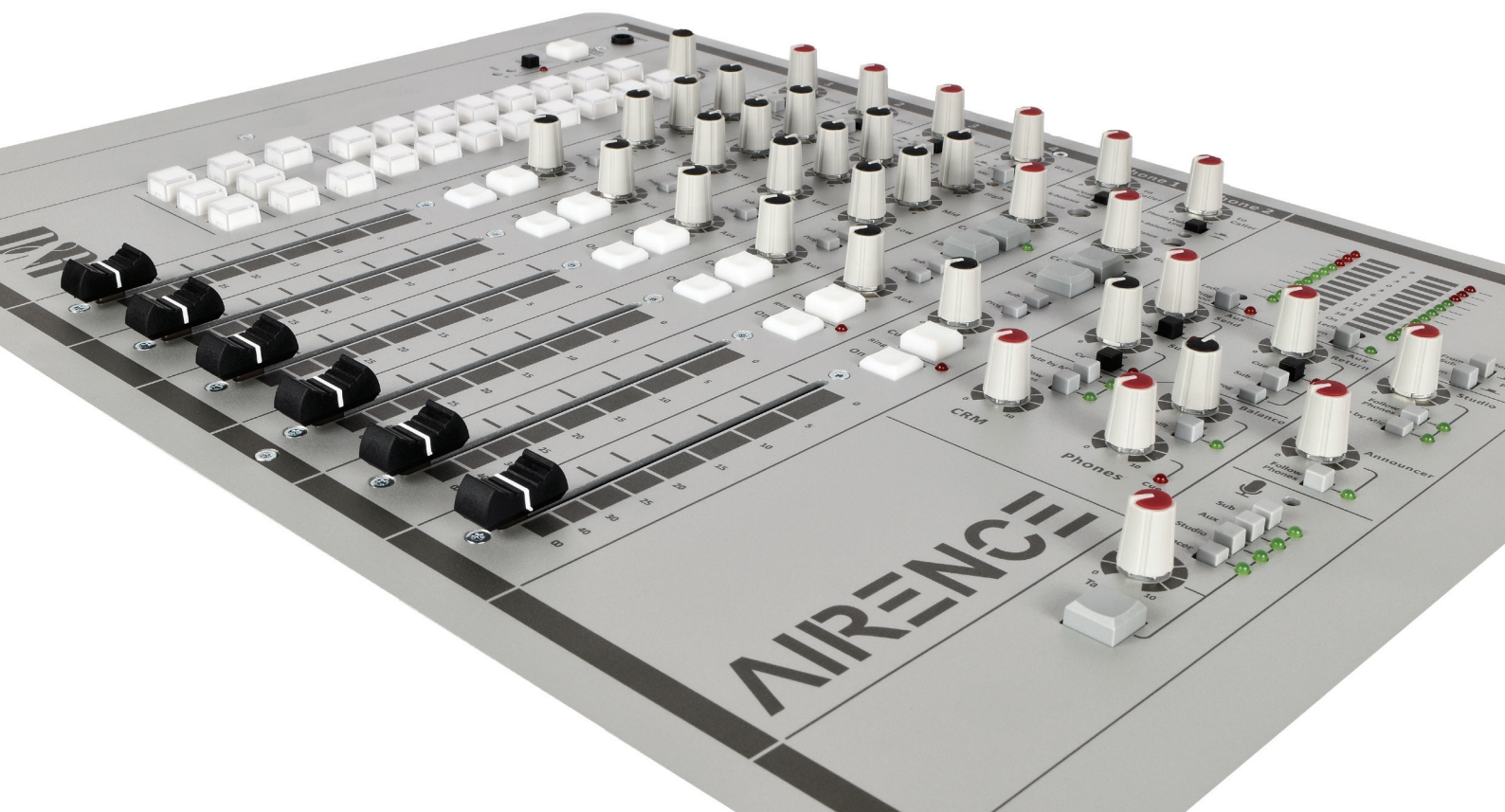
- Features 100 mm stereo master faders, stereo Aux send and return, monitor master with “follow phones,” and a phones output with a split listen function.
- Includes a balance control for seamless adjustment between the main output and stereo Cue signal.
- For broadcast logging, offers a Record output that can capture signals from the Main Program, SUB bus, or Aux output.
- Special Radio On-air/production section includes:
 - Mute by Mic switches automatically adjust control room levels when the DJ mic is active.
 - Studio output can follow selected cue signals in “follow phones” mode, providing flexible monitoring options.
 - Speaker Mute-Activation ensures quiet studio environments when announcers use loudspeakers.
 - The Talk-back switch activates the built-in talkback microphone for easy communication across various outputs.



New 2024 model with control section left

AIRENCE - USB

a Superb Broadcast Solution



feels good does more

You Want Flexibility? This is It!

The AIRENCE offers flexible channel routing capabilities, allowing for production and ON-AIR operations simultaneously. Voice tracking can be efficiently managed using the SUB output while broadcasting live. Moreover, the AIRENCE supports non-stop production during live broadcasts when in NON-STOP mode.

Switching one of the 4 USB channels directly to the main outputs is simplified with a single switch. A prominent grey Talkback switch completes the master section for enhanced communication.

1 **Ideal for Local Radio Production**
The AIRENCE is crafted to serve as the central hub for local radio production, whether in a professional studio or at home. Its user-friendly features make it an ideal choice for creating dynamic radio programs on short notice. Compact, reliable, and perfect for production rooms, the AIRENCE doubles as both an On-Air mixer and a versatile tool for establishing your own Internet Radio station. Starting with the 6-channel version provides a comprehensive system from the outset.

Future-Proof Design
Designed to evolve with your needs, the AIRENCE remains relevant even as your setup expands. It transitions seamlessly into a pre-production mixer and, with the addition of a larger On-Air mixer in the future, continues to play a vital role in your broadcasting setup.

Expandable Options
Need more inputs? The AIRENCE-EXT(ender) adds 6 triple input channels, each equipped with low-noise Mic and 2x stereo line inputs. Linking Cue buses ensures seamless operation. Expand further by adding additional 6-channel units to reach 18 or more triple input channels as required.

Efficient Power Supply
Each unit of the AIRENCE system features its own efficient, switched-mode heavy-duty power supply, ensuring reliable performance.

Enhanced USB Control Section
The AIRENCE-MAIN mixer features a prominent USB control section on its left side, equipped with 24 illuminated switches (green/red or yellow) and one Encoder. These switches are designed to seamlessly integrate with your Radio Automation system, enabling tasks such as starting jingles and toggling between live and NON-STOP modes. Software for customization can be conveniently downloaded from our wiki page.

Versatile Recording Capabilities
Recording voice tracks while ON-AIR is effortlessly achievable with the AIRENCE. The included USB control software allows for easy programming, empowering you to enhance your radio broadcasts. Each switch can be programmed to control various functions within your play-out software, providing tactile feedback with illuminating colors (green, red, or yellow).

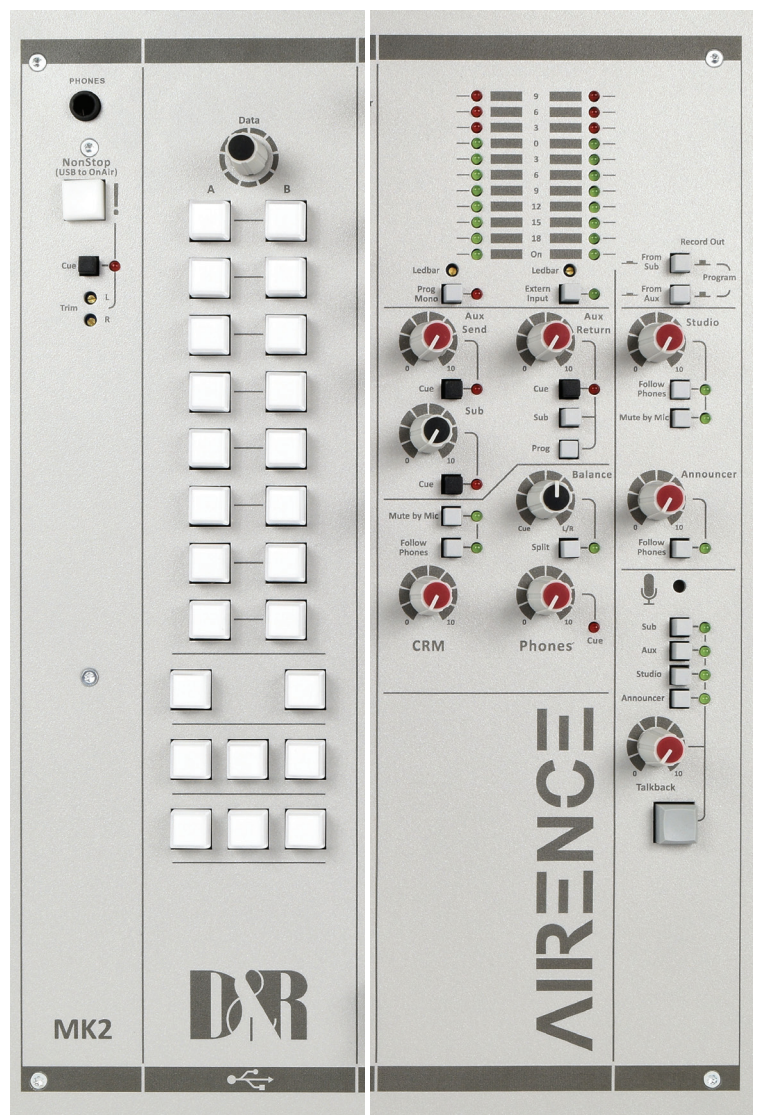
Reliable Power and Installation
Each AIRENCE unit operates with its own switched-mode power supply, ensuring stable performance. For added redundancy, an optional extra power input connector is available. The control surfaces are designed for easy installation, fitting neatly into furniture as drop-through units with rounded corners, seamlessly integrating into your studio setup.

High-Quality Construction
The AIRENCE boasts a front panel thickness of 2mm, featuring elegantly rounded corners with a radius of 20mm. This design not only enhances durability but also ensures a sleek aesthetic that complements any studio environment.

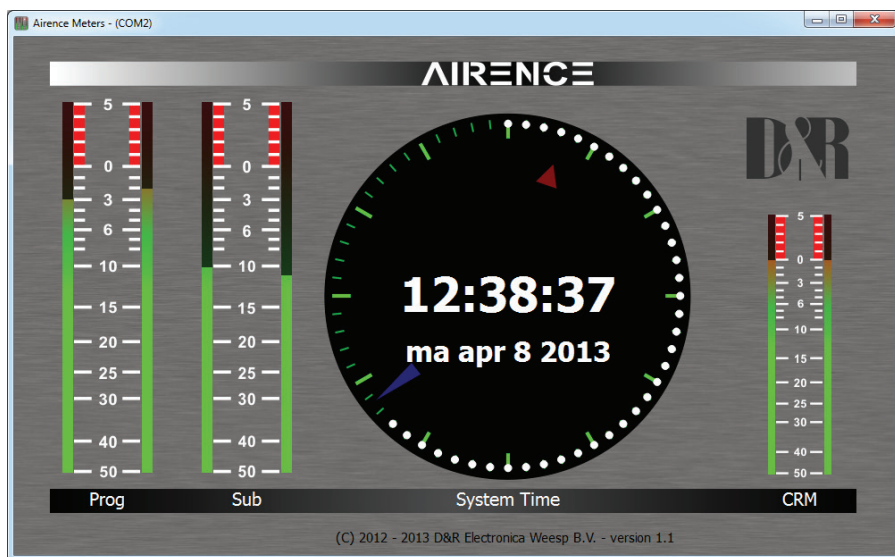
Seamless Connectivity
Connection between the Main unit and Extender unit is facilitated by a shielded Sub-D cable, measuring 1.8 meters in length. This robust cable setup maintains signal integrity and reliability across your broadcasting setup.

Versatile Input and Output Options
All input and output connections are conveniently provided on standard Jack, Cinch, and XLR connectors. This compatibility ensures easy integration with a wide range of audio equipment, facilitating flexible setup configurations tailored to your specific needs.

Secure Power Input
Power is supplied through a 5-pin XLR connector, offering a secure and stable connection for uninterrupted operation during your broadcasting sessions.



The Extender & Software



AIRENCE EXTENDER UNIT

The AIRENCE-EXTender is a fully self-functioning and self-powered channel extender designed to seamlessly integrate with the main unit:

Features 6 Triple inputs with balanced, very low-noise Mic inputs and 2 stereo line level inputs, capable of communicating with the Studio Remote.

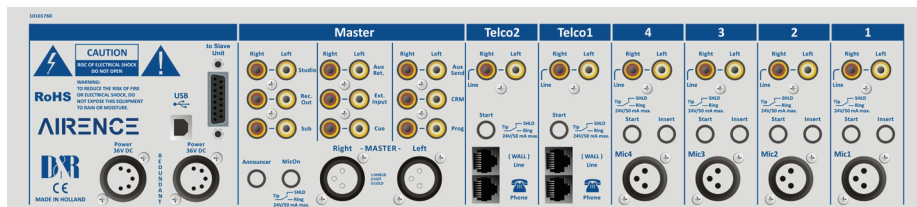
Line level B inputs can be converted into a Phono pre-amp using the optional RIAA pre-amp, available as an additional option.

Includes a musical three-band EQ, Sub and PROG routing, a CUE/Communication bus, and 100 mm faders with fader start. MIC inserts for voice processors are also standard.

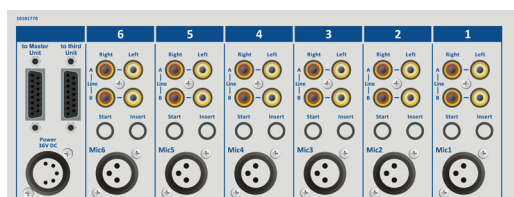
Rear connections include a 5-pole DC connector for a high-efficiency switched-mode 12 Volt 5Amp power supply.

A 15-pole Sub-D connector links the Extender to the main unit and can further connect to a third 6-channel extender if needed.

Designed for easy integration, the AIRENCE Extender's control surface can be mounted inside furniture as a drop-through unit with rounded corners, ensuring a sleek fit into any studio environment.



Back panel AIRENCE-main unit



Back panel AIRENCE-Extender

SOFTWARE

USB Control and Meter Application

The AIRENCE utilizes USB for control signals, employing the HID protocol.

This enables the display of main output signals on a TFT screen through a beautiful meter application. Both Program and Sub stereo signals are depicted with precision on a high-resolution PPM (Peak Program Meter). Additionally, a smaller stereo meter on the right-hand side of the application monitors all signals audible through CRM speakers.

The software also features a synchronized professional Radio clock aligned with your local PC time.

SUMMARY

We trust this overview has highlighted the immense potential of the new AIRENCE broadcast mixer and its Extender unit(s). For more detailed information beyond this brochure, please visit our website's AIRENCE page to download the comprehensive manual.

SPECIFICATIONS

INPUTS

- Mic inp : bal, 2 kOhm, XLR, 48 volt Phantom.
- Noise : - 128 dB (A-weighted). (That 1510)
- Sensitivity : - 70dB min, OdB Max.
- Insert : Jack unbal. send 600 Ohm -10dBv.
- Aux Ret. : unbalanced 10kOhm -10dBv.
- Line inputs: unbal., 10kOhm, Cinch.
- Gain : range of 40dB.
- Phono inp.: unbal. 47kOhm, 5 mV. (option)
- USB : 4x Stereo in and 4x stereo out.
- Extern in : - 10 dBV at 10kOhm.
- Aux ret. : - 10 dBV at 10kOhm stereo

USB

Fully compliant with USB 2.0 playback and record mode. 4x Stereo in and Main stereo or SUB signals out. 24 free assignable illuminated switches plus encoder based on the HID protocol.

Telco|VoIP|WPC

RJ-11 connectors for phone line and dialler Mix Minus rejection @1kHz -40dB. VoIP via USB connector. WPC (Wireless Phone Channel) with an internal receiver and transmitter.

OUTPUTS

- Left/Right : + 6dBu bal. XLR.
- Monitor/Aux : + 6dBu unbal. on Cinch.
- Studio : + 6dBu, Jacks.
- Tape outp : -10dBv.
- Headphone : 32-600 Ohm, Jack.
- Announcer : 32-600 Ohm, Jack.
- USB out : PROGRAM /SUB/AUX.
- Options : AES-3 Digital PRG outputs.
- : Telco|VoIP|Bluetooth chan.

EQUALIZER

- High : + / -12 dB at 12kHz shelving.
- Mid : + / -12dB at 1 kHz bell curve.
- Low : + / -12dB at 60 Hz bell curve.

OVERALL

- Frequency response : 10 - 60.000Hz.
- Distortion : < 0.01% max at 1 kHz.
- Start switch : reed relay. (24volt/50mA)
- Ledbars : 11 segment +
- : Software meter app.

CONTROL SOFTWARE

A software program is included in the delivery for programming the Control section. (Airence Virtual Keyboard Mapper)

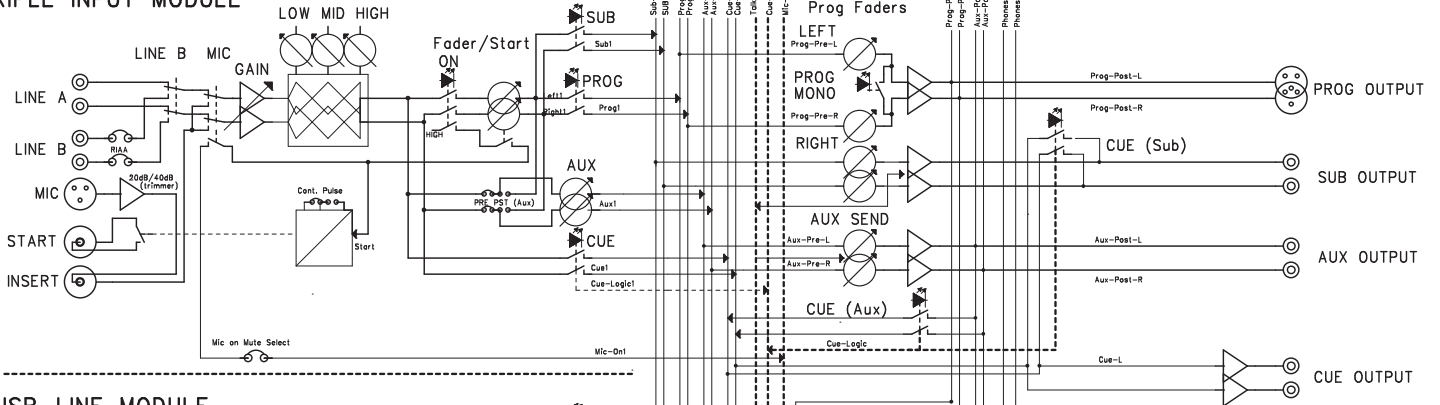
DIMENSIONS

- Main unit**
- Left-Right(X) : 482mm
- Front panel thickness: 2mm
- Radius Corners : 20mm
- Front-Back (Y) : 355mm (8HE).
- Height : 101,50mm.
- Weight : 9kg.

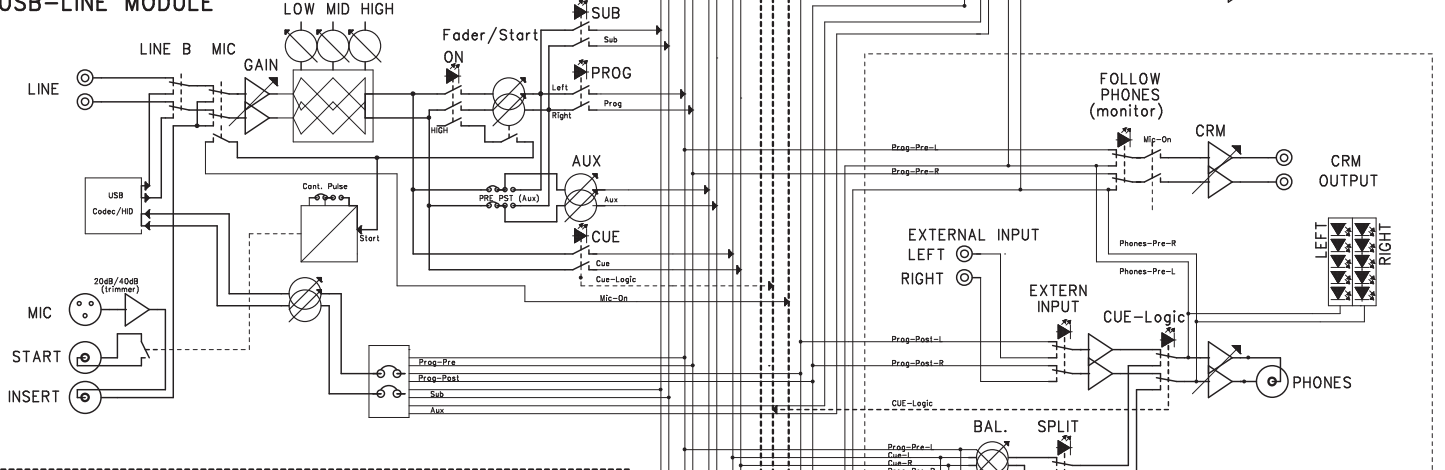
- Extender unit**
- Left-Right (X) : 302mm
- Front panel thickness: 2mm
- Radius Corners : 20mm
- Front-Back (Y) : 355mm (8HE).
- Height : 101,50mm.
- Weight : 7kg.

Signal Flow

TRIPLE INPUT MODULE



USB-LINE MODULE



TELCO-LINE MODULE

