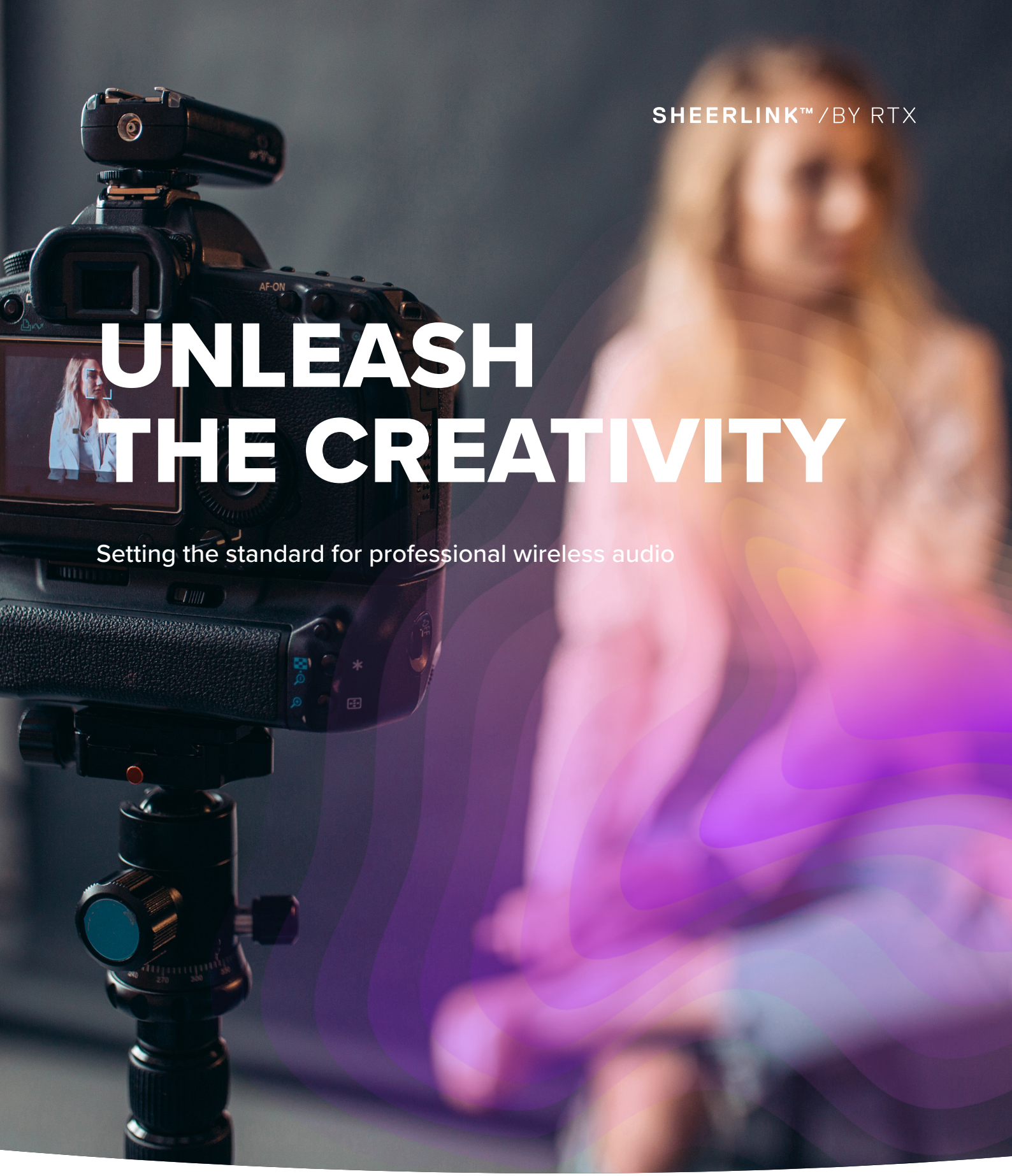


SHEERLINK™ /BY RTX

UNLEASH THE CREATIVITY

Setting the standard for professional wireless audio

SHEERLINK™

PRODUCT SOLUTION FOR CONTENT CREATION

RTX Sheerlink™ solutions for content creation enable your products with professional quality and features.

PRODUCT SHEET

Version no. 002

GOING PRO WITH CONTENT CREATION

Recording or live streaming of panel debates, interviews, podcasts, unboxing videos, etc. are for everyone today. However, the requirements for the setups for these events are getting ever more advanced including multiple microphones and even multiple cameras. Flexibility, performance, and portability is needed as production is often done on-site ad hoc and in many cases not relying on a fixed studio facility, other than for postproduction.

Our wireless product solution supports up to four TX units (microphones) per receiver potentially combined with Interruptible Feedback (IFB) allowing live directions to be relayed to the on-air talent(s). With unprecedented audio and radio quality, our solution for content creation products is creating the basis for delivering products that meet professional standards and functionality, even for entry products.

Whether interfacing to other audio equipment, cameras, or smart phones, our solution is extremely versatile and lets you deploy the interface of choice while adding your unique signature to the product.

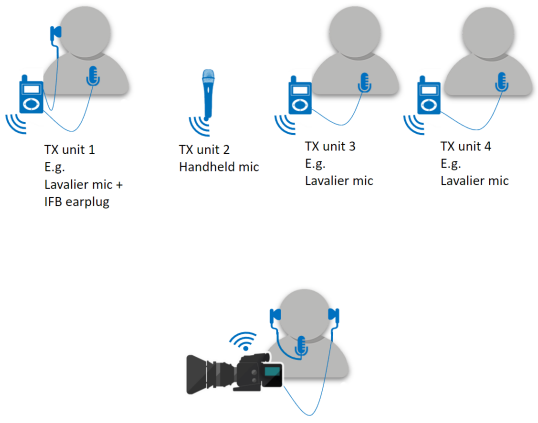
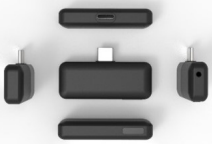


Illustration: Camera + on-air talent in panel debate + IFB

BUILDING PRODUCTS FOR SUCCESS

PERFECT FOR INTEGRATION WITH VIDEO

Production audio in high-definition and low latency allows for seamless integration with cameras for live streaming or recordings with or without postproduction. Recordings can be made timing perfect in first take. Potentially integration of synchronization signal (e.g., SMTPE standard) can be made, allowing for professional postproduction.



RESILIENT CONNECTION AND SMALL FORM FACTOR

We take all measures into account when developing wireless solutions. With a deep understanding of radio performance, we complete tests and simulations focusing on the various conditions and extreme environments that can occur when operating in a given frequency band. Interference avoidance deploying dual antennas, channel diversity, and data retransmission are just some of the implementations that your product will benefit from using our solution.

Small product form factors are often desirable to better hide microphones or make the product integrate seamless with cameras or smart phones. The smaller the product, the more crucial becomes the antenna design. We can help you right from the start and help ensuring that your product gets the optimum performance. Alternatively, let us do the whole product for you.

PROFESSIONAL IFB FEATURE FOR OPTIMUM PRODUCTION

Providing the option of supporting IFB allows for direct communication with the on-air talent(s), thus reducing the need for camera retakes and increasing the quality of live streams.

REMOTE CONTROL OF DEVICES

The solution supports remote control of all devices, thus all parameters of a device, such as audio levels, filters, battery level, radio quality, etc. can be controlled or monitored from a central device e.g., through your product app.

LOW POWER CONSUMPTION

Low power consumption is key for portable devices and our basic systems get down to around 30mA in full operation mode. Often it is the desired output power of the radio and the chosen DAC / ADC that set the limits for power consumption during operation. However, we offer different designs to choose from, depending on the product desired.

YOUR PRODUCT SIGNATURE TO COME ALIVE

Our technology agnostic interfaces allow you to focus on your specialty and signature of your product. If in doubt, our offering allows for fast proof of concept and prototyping, thus minimizing your investment and risk to reach market in time.

TECHNICAL SPECIFICATIONS

SUPPORTED COMPLIANCE	SPECIFICATIONS
1.9GHZ: INCLUDING BUT NOT LIMITED TO EU, US, AND JAPAN STANDARDS 2.4GHZ: WORLDWIDE	Please refer to the datasheets on the RTX1090 and RTX1290 communication modules, respectively.

FEATURES	SPECIFICATIONS
RADIO	1.9GHz or 2.4GHz
OPERATION RANGE	20-300+ meters depending on the design and environment.
OPERATION TIME	Ranging from 5 hrs. to 20+ hrs. using 3.6 V 1000 mAh battery depending on the chosen design.
DIGITAL AUDIO INTERFACE	24-bit, 48kHz
LATENCY (ANALOG TO ANALOG)	From 2 milliseconds depending on the chosen radio and configuration.
CODEC	Sheersound™ 48kHz. Please refer to the product sheet on Sheersound.
SNR	>85dB is achievable depending upon the chosen analog / digital design.
DYNAMIC RANGE	>120dB is achievable depending upon the chosen analog / digital design.
THD	Better than -123dB is achievable depending upon the chosen analog / digital design.
FREQUENCY RESPONSE	10Hz – 22kHz depending upon the chosen analog / digital design. 10Hz – 12kHz on interruptible feedback channel.
FILTERING	Optional filters can be programmed

ORDERING DETAILS	DESCRIPTION
SHEERLINK PRODUCT SOLUTION	Contact RTX for more information and offer at sales@rtx.dk

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