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NTT ADVANCED TECHNOLOGY CORPORATION

NTT-AT Announces the Release of the FR-1200: A New Generation Bidirectional Boundary Microphone — Now with USB Type-C for Enhanced Convenience and Compatibility —

NTT ADVANCED TECHNOLOGY CORPORATION (NTT-AT, Head Office: Shinjuku-ku, Tokyo; President: Tadashi Ito) is proud to announce the upcoming release of its latest innovation in Intelligent Microphone Library — the FR-1200 Bidirectional Boundary Microphone, launching in November 2025.

Building on the success of the FR-1000 (released in November 2018) and the advanced FR-1100 (released in February 2022), the new FR-1200 delivers even greater performance and convenience.

Equipped with cutting-edge voice separation and noise reduction technology, the FR-1200 ensures crystal-clear sound capture in any environment. Now featuring a USB Type-C connection, it offers enhanced compatibility and ease of use for modern devices.

As the newest addition to our acclaimed microphone series, the FR-1200 is designed to meet the growing demand by professionals for capturing human dialogue.

Be among the first to experience the future of audio.

Purchase inquiries are now being accepted ahead of the official release.

1. About Bidirectional Boundary Microphone

Bidirectional Boundary Microphone is a cutting-edge audio solution developed by NTT Computer & Data Science Laboratories and commercialized by NTT-AT, utilizing the advanced Intelligent Microphone Library provided by NTT TechnoCross Corporation.

Since its initial release, this innovative microphone has been adopted across a wide variety of use cases — from face-to-face interaction support and interactive digital signage to web conferencing and remote communication environments.

Key Features and Application:

(1)Features

- Dual-Directional Sound Collection

Enables simultaneous sound pickup from two distinct directions — ideal for face-to-face conversations or interactive applications.

- Adjustable Directivity

Directionality can be customized to suit the usage environment, ensuring optimal audio capture whether in close-proximity dialogue or broader settings.

- Advanced Noise Cancellation

Equipped with a high-performance noise reduction function that isolates voices from background sounds for clear, uninterrupted audio.

- Flexible Audio Output Options

Captured audio can be easily transferred to external devices — such as recording systems, PCs, or tablets—via USB connection or analog stereo mini plug (*3.5mm jack).*¹

- USB Bus Power Supply

No external power adapter required; the microphone operates efficiently via USB power, simplifying setup and integration.

- Visual Sound Direction Indicator

An LED indicator on the top of the device lights up to show the direction of sound pickup, offering intuitive feedback and easy alignment.

* Output method may vary depending on the connected device or system configuration.



External view of FR-1200

(2)Main Applications

- Customer Interaction Recording
- Voice Interface for Robots
- Interactive Digital signage
- Real-time translation system
- Electronic medical records input

2. Enhancements in FR-1200

- USB Type-C Connectivity

The FR-1200 introduces a key upgrade with the adoption of USB Type-C, replacing the previous USB Micro-B connector.

3. FR-1200 Specifications

Model	FR-1200
Directional Characteristics	Bidirectional (Stereo)
Frequency bandwidth	60~7,000Hz
Current Consumption	100mA
Power supply	USB bus power (5 VDC)
External dimensions	H14.5× ϕ 64.7mm
Weight	Approx. 61 g (excluding cord)
Compatible OS	Any OS supporting USB Audio Class 1.0 (Windows11, etc.)
Accessories	ϕ 3.5 stereo mini plug cord (approx. 1m) USB (A-C) cord (approx. 1m)

4. Launch (planned)

November 2025

5. Price

For more information about the FR-1200 or to inquire about pricing, availability, and bulk orders, please contact us at the information provided below.

6. Future Development

Looking ahead, we plan to further expand the capabilities of the FR-1200 by integrating speech-to-text conversion for voice recordings captured during face-to-face interactions. This functionality will enable more efficient data processing and open the door to valuable voice analytics that can be leveraged to support our customers' business operations. Additionally, we are preparing to expand global sales of the FR-1200 to meet growing international demand for high-performance, compact voice capture solutions.

*1 External equipment is not included. Please check the operation verification equipment separately.

* All company and product names mentioned herein are trademarks or registered trademarks of their respective companies.

* The data is current as of the date of publication. Please note that the information is subject to change without notice.

■For further information, please contact:

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