

COMPANY PROFILE

Doewe Technologies, headquartered in Beijing, has been operating for a decade and currently has branches including the Beijing R&D Center, Chengdu R&D Center, Doewe Shanghai, Doewe Shenzhen, and Doewe Hong Kong. The company is fully committed to building its independent brand "Doewe," with its business covering two main categories: Advanced Sensing Measurement and Control (ASMC) and Professional Test and Measurement Solutions (PTMS).

The ASMC product line provides innovative high-precision sensing acquisition and data analytics solutions. PTMS focuses on industry-specific test and measurement solutions for audio, video, and RF applications. It has established the 5XC product system, serving sectors such as transportation, broadcasting, automotive electronics, consumer electronics, and university research institutes.

Through relentless effort, several of the company's products have become benchmark test instruments in their respective industries. Doewe Technologies also holds multiple core patents and software copyrights, participates in relevant industry standards working groups, and contributes to the formulation of national and industry standards. Building on past achievements, Doewe continues to increase its R&D investment. We have never forgotten our original aspiration, firmly believing that only profound technological accumulation creates value. We persistently pursue innovation in test and measurement technology, dedicated to technology development, application software services, and research in test and measurement solutions.

Leveraging its Beijing headquarters, related technical centers, and subsidiaries, Doewe Technologies has gradually established a nationwide pre-sales and after-sales service network, providing customers with professional technical consultation. Guided by the principles of "Rigorous, Efficient, Professional, Innovative," Doewe Technologies will continue steadfastly on this path, living up to the trust of every customer.

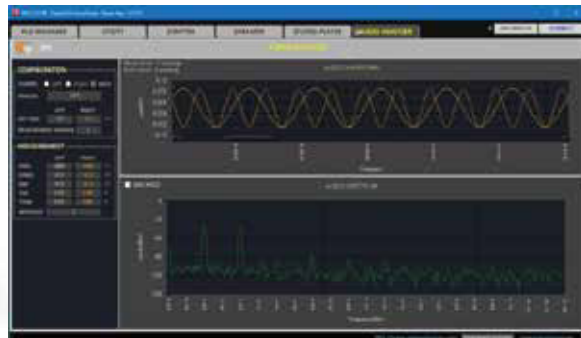
The journey ahead is long and challenging. We will accompany you on this path of growth to create a new future of technology together.

Overview

The ETI file can transmit all the characteristics of the complete DAB integrated signal. Among them, ETI includes multiple sub-channels between DAB integrated devices and transmission network devices, as well as a formatted Fast Information Channel (FIC); the MDI file describes all the characteristics of the complete DRM multiplex that can be transmitted. MDI contains multi-streams between the DRM multiplexer and transmission network devices, as well as a formatted Service Description Channel (SDC). In other words, if the T-DMB/DAB (or DRM) signal of a certain radio station is recorded as an ETI (or MDI) file, the ETI (or MDI) file will contain all the information of that station. With the ETI/MDI player function of RWC and these files, the T-DMB/DAB signal/DRM signal of this radio station can be easily simulated and reproduced in the laboratory.

The RWC2010M also has simulation functions, such as AM/FM transmission and audio analysis. It is also equipped with an RDS function for playing pre-coded RDS files. It supports both stand-alone operation and control and playback through the computer-end software "RWC2010x".

The RWC2010x software has control and measurement functions, such as file processing, AM/FM settings, remote control, and collecting audio measurement data (SINAD, SNR, THD, waveform, spectrum) from the RWC2010M.



Key Performance

ETI/MDI

- ETI/MDI Playback Function
- Provide single-frequency ETI/MDI files

File Playback

- Supports standalone playback
- It can also be controlled to play via computer software.

Audio Analysis Function

- Receiver Sensitivity Test
- Audio Signal Quality Measurement :
SINAD、THDN、SNR
- Audio Waveform and Spectrum Display

FM RDS/AM Transmit Function

- Support single FM/AM transmission
- Support various Audio Modes (MONO/STEREO/
WAVFile / SWEEP)



Specification

project	parameter
Frequency	• LF/MF/HF Band: 149 kHz to 30 MHz • BAND I/II/III: 47 to 68 MHz, 76 to 108 MHz, 174 to 250 MHz • Resolution: 1kHz • Accuracy: $\pm 1.5\text{ppm/yr}$ @ operating temperature
Output Level with RWC9500B (optional)	• +15 to -55 dBm(CW/OFDM) • Resolution: 0.1dB • Accuracy: $\pm 1\text{dB}$
Audio Analyzer Characteristics	• Input Frequency: 0.1 to 20 kHz • Input Range: Single Ended 2.25 Vrms • Bandwidth: 20 kHz • Common-Mode Rejection Ratio(CMRR): 56 dB • Connection Type: 3.5 pi Stereo
VSWR	• Better than 1 : 1.5
Frequency Reference	• Internal Reference & Stability: 10MHz, $\pm 1.5\text{ppm/yr}$ @ operating temperature • External Reference Input: 10MHz, 0 to +20dBm MAX
Data IO Port	• Ethernet for Remote: RJ45 • RS232 for Remote: D-sub 9 • DataIO: RJ45
Miscellaneous	• Operating temperature: 5 to 40 C • DC Power: 12V/3A VDC • Dimension: 200(W) x 70(H) x 220(D) mm • Weight: 2.2kg • Display: 2.8" gray OLED • Internal storage: 256GB





Beijing Doewe Technologies Co., Ltd

Beijing Headquarters

Address: Room 1821, Building 2, Soubao Business Center, No. 16 South Third Ring Road West, Fengtai District, Beijing.

Technology Center

Address: Room 1812, Building 2, Soubao Business Center, No. 16 South Third Ring Road West, Fengtai District, Beijing.

Doewe Technologies (Shanghai) Co., Ltd.

Address: Room 212, Kaidi Commercial Building, No. 688 Huajiang Road, Jiangqiao Town, Jiading District, Shanghai.

☎ Phone: 010-64327909

🌐 Website: <https://www.doewe.com>

✉ Email: info@doewe.com



Scan the or code to visit
the official website