

Bewith Introduces the STATE MM-1D Rearview Mirror Linear PCM Player

First Major Improvement of Reference High-end Audio Player in Seven Years

Bewith Ltd. New Product Announcement Dec. 21, 2012

Bewith Ltd. (Headquarters: Tosu, Saga Prefecture, Managing director: Toshiharu Nakashima) has carried out the first full-scale improvement in seven years of its Rearview Mirror Linear PCM player, the Mirror Media MM-1, which has won praise as the reference standard for high-end audio players since its release in June 2005. The improved product will go on sale as a new product, STATE MM-1D, on February 1, 2013.

This product, a machine specialized for digital connection based on the ML connector standard, will replace the former Mirror Media MM-1, and its specifications are specialized for connection with Bewith's multi-processing DAC system, BEWITHSTATE. It will, for a limited time, be introduced in advance at certain stores handling BEWITH products (product display and receiving orders), and a new interface unit equipped product compatible with connections with ordinary audio machines will also go on sale in the spring of 2013.

Rearview Mirror Type Linear PCM Player STATE MM-1D

Scheduled date of launch February 1, 2013.

Note: This product does not come with an interface unit. To use it, Bewith's BEWITHSTATE or a Smart Interface (an accessory of the former Mirror Media MM-1) is also required. You cannot use this product alone.



STATE MM-1D Product Profile

The STATE MM-1D set to launch is a next-generation memory audio player that inherits the concepts of the former Mirror Media MM-1, which has been a continuous long-seller for about seven and a half years since it was launched in June 2005. The former Mirror Media MM-1 has obtained high praise for many years as a representative source unit in the high-end car audio world, as a pioneer of car-mounted memory audio players, with broad support for its overwhelming high sound quality and novel product concepts. The STATE MM-1D soon to launch has completely new versions of more than 90% (component point ratio) of its constituent parts ranging from devices to housing, while maintaining its complete upward compatibility with playback formats, connection standards, etc. for users of the former Mirror Media MM-1 and BEWITHSTATE. Its value as a reference machine for high-end audio players has been raised to new heights thanks to its extremely pure playing sound, its high precision digital display, the luxurious touch of its all-magnesium body, and other aspects.

Note: This product does not come with an interface unit. To use it, Bewith's BEWITHSTATE or a Smart Interface (an accessory of the former Mirror Media MM-1) is also required. You cannot use this product alone.

About the STATE series

STATE is the name of a series of Bewith's next generation audio system groups that bring together and interconnect several devices with a variety of functions, to create an unprecedented exponential leap of sound quality value. This is "a nation of sound," which is expanded without limit by digital networks, and this name is Bewith's goal: to express an "absolute level of sound" for which there is no substitute. Bewith plans to further expand the STATE series of digital audio systems with the STATE MM-1D as the new starting point.

STATE MM-1D Improved Points (comparison with the former Mirror Media MM-1)

- High precision all-magnesium body created through skillful application of BEWITH's metal processing technologies
- Jet black surface finishing which accentuates the texture of the magnesium and suppresses reflections
- Next-generation sound engine to further improve sound quality
- Direct output premium cable for higher sound quality (LVDS compatible, length of 450mm)
- More playable folders/files (maximum total of about 20,000 folders and about 100,000 files)
- Greater compatible media capacity (CF cards, operation confirmed maximum capacity of 64GB)
- Capable of display of song names, artists names, file names, etc.
- High precision 3.5-inch digital display with sharply increased contrast ratio
- Great improvements to display picture quality thanks to new-generation video engine
- On-screen display advanced to be even easier to use
- Electrical power consumption cut by more than 30% (state of screen display, during play)

STATE MM-1D Major Features

1. High precision all-magnesium body for superior reliability, also contributes to sound quality

It has a high precision all-magnesium body that has extravagantly used tough and lightweight diecast magnesium for the front case, back case and all circuit board brackets. Through masterful use of BEWITH's metal processing technology, it achieves thermal resistance, weather resistance and radiation resistance performance ideal for a car-mounted device, while faithfully preserving the superior original design and lightweight design (main machine weight of 450g, except cable) of the MM-1. The all-magnesium body improves supporting rigidity shield properties only possible for a metal material, and appropriate internal loss, which is a property of magnesium, helps improve sound quality, the S/N feeling in particular. Finishing its exterior cladding with jet black coating accentuates the magnesium texture and holds down reflection on the surface, a luxurious touch suited for a luxury audio device and the essential functionality of a rearview mirror.

2. High sound quality design through use of a next-generation sound engine

It is equipped with a BEWITH next-generation sound engine specialized for HiFi audio reproduction, which has further simplified signal processing from two aspects: signal route and calculation operation. Further reduction of jitter increases the level of the digital sound signal, realizing good high sound quality which is clearer and more transparent.

3. Sound quality top priority design uncompressed linear PCM audio player unit

The uncompressed linear PCM* audio player unit aimed at top sound quality as a car-mounted source unit sharply strengthens the basic functions of a player: for example, it can display song names, artist names, file names, etc., and it raises playable (recognizable) folders to a maximum total of about 20,000, files (songs) to a total of about 100,000, and compatible media capacity to a maximum of 64GB (maximum capacity whose operation has been confirmed). As its media, it continues to use CF (compact flash) with superior qualities for HiFi audio use, ensuring upper compatibility with the former Mirror Media MM-1.

4. Internal high precision, high contrast ratio 3.5-inch digital display

By installing an LED backlight high precision 3.5-inch color liquid crystal digital display that achieves a remarkable improvement of contrast ratio behind the mirror glass, it clearly displays text information such as the operating status of the player. It can also superimpose the exterior image signal* from a rear camera, etc.

*To input the exterior image signal to this product, Bewith's BEWITHSTATE or a Smart Interface (an accessory of the former Mirror Media MM-1) is also required. You cannot connect this device directly to image equipment.

5. Highest quality mirror of German-made optical glass by derivative multilayer film deposition

The mirror glass is made of high-performance optical glass made by Schott of Germany; glass with unmatched optical glass quality, thermal resistance and shock resistance. Performing derivative multilayer film deposition (8 layers) on its back surface produces top class half mirrors with reflectivity of more than 90%. We sought to achieve the highest possible quality as a rearview mirror which the images of the interior display clearly penetrate.

6. Can replace the former Mirror Media MM-1

Complete upward compatibility with the former Mirror Media MM-1 is ensured, and it is possible to connect directly with the Smart Interface or the BEWITHSTATE, which are accessories of the former MM-1. You can easily replace the MM-1 you now use with this product.

STATE MM-1D Major Features

- Player size: W280xD21 (including mounting stay: 41)×80mm
- Weight: 446g (including cable)
- Compatible media: Compact flash (CF standard compliant product, Type I/Type II, operation confirmed maximum capacity of 64GB)
- Compatible music formats: WAV, MP3, AAC, FLAC
- Input/output connectors: specialized standard ML connector (21P)
- Display: 3.5-inch QVGA liquid crystal, LED backlight
- Remote control: compatible with card remote control which will be sold separately. You can also use the remote control that is an accessory to the former Mirror Media MM-1.



[Inquiries]

Bewith Ltd.

2249-4 Imaizumi, Tosu, Saga, Japan 841-0047

Tel: +81-942-85-8000

Fax: +81-942-85-8888

e-mail: info@bewith.jp