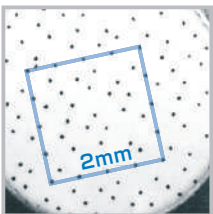




### What is “GridOutput®”?



GridOutput® is a new type of two dimensional coding technology with the code composed of invisibly small dots. By reading printed dot codes using a special scanner, direct access to digital contents is possible.

48 bits of information can be encoded into one GridOutput® dot code. Only dot codes composed of black dots printed with carbon ink can be read, and by reading, the corresponding ID is acknowledged accordingly. One dot code has a size of 2 square mm. Not only can the scanner read a dot code, but it can also detect the contact angle of the pen.

### Features of GridOutput®

- Visual printed designs can be left unaffected.
- Pictures, letters, and illustrations can be used as icons linked to digital contents.
- Handling is easy.
- High security can be achieved (the codes cannot be copied using a copy machine).
- The codes are printable with a general printer (inkjet type, and etc.).
- 300 trillion different codes can be issued.

Anyone can access digital contents with a single touch of a printing!

# Product Lineup

## G-Speak



Just by touching a textbook, a sticker, or other printed material with a pen, a corresponding audio content is played. The language mode can be changed as necessary for each dot code. G-Speak operates on dry cell batteries and thus can be used almost anywhere in the world. Your voice can also be recorded and a dot code can be assigned to it.

## G-Talk



Just by touching a textbook, a sticker, or other printed material with a pen, a corresponding audio content is played. The language mode can be changed as necessary for each dot code. G-Talk is powered by a Lithium-ion battery. As it is rechargeable, the pen can be used repeatedly without changing batteries.

## G-Talk3



Just by touching a textbook, a sticker, or other printed material with a pen, a corresponding audio content is played. The language mode can be changed as necessary for each dot code. G-Talk3 is a new lightweight model that retains the features of G-Talk. (A micro SD card is built-in.)

## G-Pen Blue



The G-Pen Blue is equipped with a Bluetooth unit, and thus by touching a printed dot code with it, pictures, videos, music, or websites can be displayed on a PC or a tablet. Because of the Bluetooth, there is no need to worry about a USB cable.

## G-Pen BT



When a G-Pen BT is used for writing on a booklet or a sticker printed with a dot code, the pen strokes are reproduced on a PC or a tablet. Thus, letters and diagrams written on a dedicated dot code sheet can be saved as digital data easily. Furthermore, because of the Bluetooth, there is no need to worry about a USB cable.

## dot sticker / Sound Linker



No special printing is required. A dot sticker is a sticker pre-printed with a dot code and it can be used easily. All you have to do is attach the stickers on your books, textbooks, or items. And the application "Sound Linker," allows you to link your own voice data and music to dot codes.

# Examples of application

## Language learning



Learning by combining printed educational material with audio is possible. Not only listening training but also pronunciation checking is possible with the recording function.

## Inbound tourism



Since multiple modes can be selected for a single dot code, application to multilingual audio guiding for visitors from abroad is possible.

## Authentication / tracking



Since the invisible dot code cannot be copied, application to product authentication and tracking is possible.

## Gridmark Inc.

Kanda TNK Bldg 3F, 1-44-2 Kandajimbocho,  
Chiyoda-ku, Tokyo 101-0051 Japan  
<http://www.gridmark.co.jp/>  
E-mail : [overseas@gridmark.co.jp](mailto:overseas@gridmark.co.jp)