

BS-RFID Reader

User's Manual

1. Summary

1.1 Summary

⇒ This is a Read/Write functional short-range wireless-aware device used to Tag the ID of each user, including their name, date of birth, gender and etc.

The Tag may be a card or a coin provided to each individual for convenient user management.



<BS-RFID Reader>

1.2 Specification

- Frequency : 13.560 5MHz
- RF Data Rate : ISO 15693 26.6kbps
ISO 14443A 105.9kbps
- Read Range : Maximum 50mm
- Antenna : 50ohm Internal Antenna
- Interface : USB
- Data Rate : Serial 9600 to 115200 baud rate
- Power : DC 5V(PC USB powered)
- Dimensions : 52mm(H) x 82mm(W) x 17mm(L)
- Weight : 150g
- RF Output Power (Field Strength) : Maximum 47.544 mV/m @ 10 m
- No of Channel : Single
- Modulation method : ASK

1.3 Item

- Corporation : Biospace Co. Ltd
- Name: RFID/USN Mobile Reader
- Model Name : BS-RFID Reader
- Manufacturer : Biospace Co. Ltd
- Manufactured in Korea
- Serial Number : RFID3-IO2B13.5605TRA1D1

2. Operation Manual

2.1 Registering User

Member Management 0000001 / NTT / 32 / Male / 172.8cm

Search Registration Stats&Classification Lifestyle survey Medical history

Results page storage

Item : Name [NTT] Search Member information card Date 2012-03-23 -- 2012-03-23 Search

✓	Photo	Gender	Name	Age	ID	Registration Date	Birth year/month
1			NTT	32	0000001	2006-02-27	1976-02-27
2			Nmo	25	0000002	2008-02-27	1982-06-05
3							1930-02-28
4							1993-02-28
5			San	78	0000005	2008-03-19	1930-03-01
6			Yana	7.8	0000007	2008-03-19	2000-05-01
7			Tauza	38	0000008	2008-03-19	1970-02-20
8				25	TEST1	2012-03-22	1987-03-22

InBody test 15 08-02-25 ~ 11-11-04
Exercise data 34 08-02-28 ~ 08-10-22
Physical fitness test 47 08-02-28 ~ 12-03-22

Test Sequential test/print Register card Transfer data New Delete

① Click "Serch" button after inputting members name.

② Click "Register card" button after putting the card on the RFID reader.



- ① Enter the user's name in the search panel and click Search.
⇒ Click Search bar after entering the "user's name" in LB Search bar on the right of the screen.
The user's data will show in the "Member Management" window on the left of the screen.
- ② Place the Card on the RFID Card Reader and click "Register card".
⇒ After 3, 0.5 second beeps, a screen pop up will indicate, "Registration Complete".
Card that has completed registration should be given to the user.

2.2 Checking User's Measurement Data

- ① After User Measurement is complete, place the Card on the reader and click on the "Read the Card" button.
⇒ After User Measurement is complete, place the Card on the reader and click on the "Read the Card" button.
The User's basic data will be provided on the "Member Management:" screen.

The screenshot displays the 'Member Management' software interface. The top bar shows the user ID '0000001 / NTT / 32 / Male / 172.8cm'. The main area is divided into several sections:

- Basic input items of personal information (Essential information: Registration Number, Name, Birth Date, Height):**
 - Registration No: 0000001
 - Name: [Empty field]
 - Birth Date: 1976-02-27
 - Registration Date: 2006-02-27
 - Gender: Male Female
 - Age: 36
 - Height: 172.8 cm
 - Chart No.: 0000
- Additional info, Medical history:**
 - Reservation Date: 2008 / 8 / 12 Tuesday
 - Reservation Time: PM 12:00:00
 - H.P.: 010
 - Tel.: 02
 - Address: [Search field]
 - E-mail: [Empty field]
 - Classification member: [Dropdown menu]
 - Job: [Dropdown menu]
- Measurement Date:**
 - InBody Test:**
 - First Meas.: 2008-02-25 10:18:23
 - Last Meas.: 2011-11-04 15:02:52
 - Meas. times: 15
 - Blood Pressure Test:**
 - First Meas.: 2007-11-06 16:09:24
 - Last Meas.: 2008-10-09 14:31:38
 - Meas. times: 115
 - Blood Sugar Test:**
 - First Meas.: 2008-02-21 13:24:22
 - Last Meas.: 2008-10-16 10:08:19
 - Meas. times: 49
 - Bone Density Test:**
 - First Meas.: 2008-02-28 11:52:32
 - Last Meas.: 2008-02-28 11:52:32
 - Meas. times: 1

At the bottom of the main window, there are buttons: 'Reading Card' (highlighted with a red box and circled with a '1'), 'Transfer data', 'New', 'Save', 'Delete', 'Registration card', and 'Measurement'. On the right sidebar, the 'Basic physical' button is highlighted with a red box and circled with a '2'. Below the main window, an inset image shows a blue card being inserted into a white InBody device, with a red circle and arrow pointing to the card slot.

- ② Click on the "Basic Physical" button to the right of the Lookin'Body window.
⇒ The Measurement data will be provided.

* Please click each item for detail results.

	View All	Back to "View All"
Muscular Strength	Grip (Left)	42.8 (kg)
Muscular Strength	Grip (Right)	40.6 (kg)
Muscular Strength	Back Strength	63.3 (kg)
Muscular Strength	Leg Strength(Left)	53.8 (kg)
Muscular Strength	Leg Strength(Right)	63.9 (kg)
Flexibility	Sit and Bend body forward	35.1 (cm)
Agility	General Reaction	0.376 (sec.)
Reflex	Standing High Jump	12.7 (cm)
Muscular Endurance	Sit-ups	12 (times)
Balance	Standing on one leg with eyes closed	11 (sec.)
Heart Endurance	Step Test	0 (PEI)

Save Modify Delete



Evaluation

FFC Information

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of the following measures:

- 1.1. Reorient or relocate the receiving antenna.
- 1.2. Increase the separation between the equipment and receiver.
- 1.3. Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
- 1.4. Consult the dealer or experienced radio/TV technician for help.

Warning

Changes or modification not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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