

**SL-287**  
**USB RF tag**  
**reader for PC**



- The SL-287 reads the code of any EM41xx compatible (125kHz, Manchester coding, AM, 64cyc/bit) RFID tag or card and sends it to the PC via the USB interface;
  - No AC adapter needed - powered through the USB cable;
  - The Comm28x program inserts the read RF code into the currently focused application's keyboard queue. The device functions as a keyboard wedge;
  - Length of the sent RF code can be set to: 4, 6, 7 or 8 bytes.
  - Up to four prefixes and suffixes can be used. They are sent before and after the iButton ROM. The prefixes and suffixes can be any character, ENTER, a timestamp string etc.
  - Several SL-284's can be attached to a PC and, with differing prefixes/suffixes, each reader can have an assigned function e.g. arrival, departure
- Applications:
- PC based time & attendance (virtual terminal SW VT866 available);
  - POS terminal peripheral in restaurants and cafes-waiter identification;
  - Control of issuing goods from warehouses: tools, spare parts etc.;
  - Password entry on workstations;
  - Attendance tracking for clubs, fitness centres, ...

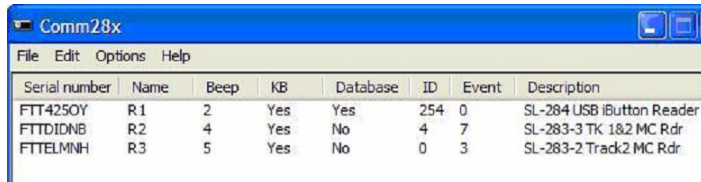


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## Comm28x V2.2.0

The device is used with USB drivers and the Comm28x program, which receives data from the SL-287 (via the driver) and writes it into the currently focused application's keyboard buffer.

The data is stored into the keyboard buffer with formatting (prefixes, suffixes, data length), which is set in the Comm28x program for each attached reader. The formatting configuration is stored in the reader itself.



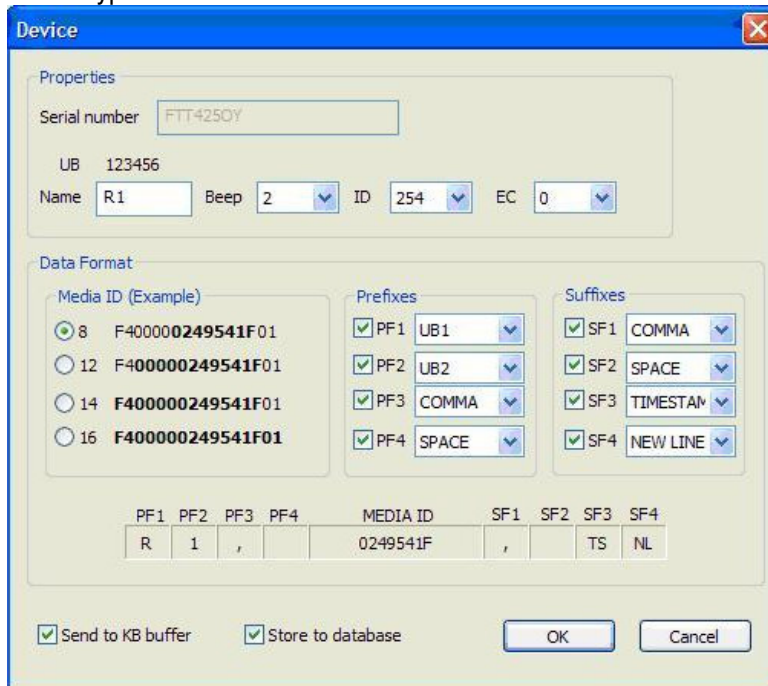
Serial number	Name	Beep	KB	Database	ID	Event	Description
FTT425OY	R1	2	Yes	Yes	254	0	SL-284 USB iButton Reader
FTTDIDNB	R2	4	Yes	No	4	7	SL-283-3 TK 1&2 MC Rdr
FTTELMMH	R3	5	Yes	No	0	3	SL-283-2 Track2 MC Rdr

**Device pane** - shows all attached USB readers and their main settings.

The last column shows the description i.e. the reader type.

By selecting one of the listed readers, we can access the Edit/Device window, which depends

on the type of the reader.



**Device**

Properties

Serial number: FTT425OY

UB: 123456

Name: R1 Beep: 2 ID: 254 EC: 0

Data Format

Media ID (Example)

8 F400000249541F01

12 F400000249541F01

14 F400000249541F01

16 F400000249541F01

Prefixes

PF1 UB1

PF2 UB2

PF3 COMMA

PF4 SPACE

Suffixes

SF1 COMMA

SF2 SPACE

SF3 TIMESTAM

SF4 NEW LINE

PF1 PF2 PF3 PF4 MEDIA ID SF1 SF2 SF3 SF4

R 1 , 0249541F , TS NL

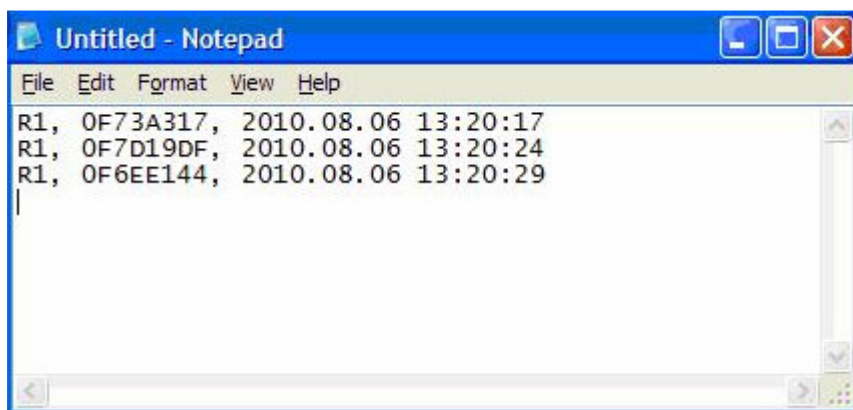
Send to KB buffer  Store to database

OK Cancel

**Device/Edit pane** – used to set formatting and other parameters for a specific SL-287. The parameters are stored in the reader itself and are automatically used when the reader is attached to another PC.

In the example shown, the name of the reader is R1 and this is sent as prefixes #1 and #2 before the RF tag code. Prefix #3 is a comma and #4 is a SPACE. A short RF tag code of 4 bytes is sent. After the code, suffixes of a comma, a timestamp and New Line (ENTER) are sent.

Example of data output to Notepad. Formatting is set as in the previous picture.



```
Untitled - Notepad
File Edit Format View Help
R1, 0F73A317, 2010.08.06 13:20:17
R1, 0F7D19DF, 2010.08.06 13:20:24
R1, 0F6EE144, 2010.08.06 13:20:29
```