

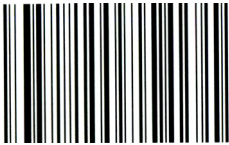
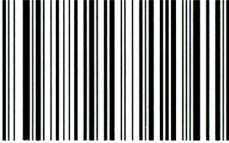
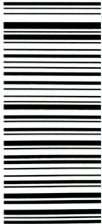
### To scan bar codes:

1. Aim the scanner at a slight angle or pitch to the bar code and press the trigger.
2. If you did not get a good read, adjust the scanner distance from the bar code and the position of the scan beam to make sure you scan every bar and space. The optimum reading stance between scanner and barcode is 15-20 cm.
3. On a successful read, there'll be a beep sound, beam dies out. The scanner then transmits barcode message to the Host.
4. To instantly upload data, please make sure that the terminal is in range and associated to the base, or program will automatically turn into storage mode. The terminal communicates with the base at long distance of 150 meters indoor or 300 meters outdoor.

### Configuring the scanner:

Play around in the settings menu to configure the device to your exact specifications.

| Setting Code                                                                                                              | Description                                                                                                                                                                                                                                | Note                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>Normal Mode<br>(instant upload mode) | Scan this code to enter normal scanning mode.<br><br>Under this mode, data will be transmitted to the base upon scan.<br><br>(defaulted)                                                                                                   | The scanner emits 1 beep and the blue light flashes once when the base successfully receives signals.<br>The scanner emits 3 beep and the blue indicator flashes 3 times when the base is not successfully associated with scanner. The scan result will be automatically stored in the scanner.<br>Storage mode will be activated to replace normal mode when the base fails 3 times in a row receiving a signal. |
| <br>Storage Mode                        | Scan this code to enter Storage mode.<br>Under this mode, scans will be stored in the scanner.                                                                                                                                             | Under this mode, the red light is on. The blue light will flash when a code is successfully read and stored.                                                                                                                                                                                                                                                                                                       |
| <br>Upload data                        | Scan this code to uploading stored data.<br>All data in the scanner will be uploaded to the corresponding base.<br>(Note: if the data of previous operations are not cleared but still stored in the scanner, they will also be uploaded.) | You can scan this code to re-upload all stored data when uploading is stopped due to improper base association.<br><br>(During uploading, the scanner responds as under normal mode)                                                                                                                                                                                                                               |
| <br>Upload data of last operation      | Scanner this code to upload data of the last operation (from the last startup) to the base.                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                    |

|                                                                                                                                |                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Resume broken upload</p>                  | <p>Scan this code to resume uploading data from the breakpoint.</p>                                                                                  | <p>Tento kód môžete nasnímať pre pokračovanie sťahovania dát od posledného prerušenia (ak sa USB prijímač odpojil alebo vypol).</p> <p>Príklad: Ak sa sťahovanie preruší na 6. kóde z 10. uložených kódov. Nasnímajte tento kód a sťahovanie bude pokračovať ďalej od 6. kódu. Počas sťahovania bude pípanie rovnaké ako v štandardnom režime. Vid'. štandardný režim.</p> |
|  <p>Show total number of scans</p>            | <p>Scan this code to show total number of stored scans.</p>                                                                                          |                                                                                                                                                                                                                                                                                                                                                                            |
|  <p>Show number of last scans</p>             | <p>Scan this code to show number of last stored scans.</p> <p>Note: this counter shows new scan number after "uploading data of last operation".</p> | <p>This counts by the number of carriage return.</p>                                                                                                                                                                                                                                                                                                                       |
| <p>Clear storage<br/>(use with caution)</p>  | <p>Scan this code to clear scanner storage.</p> <p>(To scan this code, please turn the scanner by 90°)</p>                                           | <p>On a successful clearing, the blue light flashes once.</p> <p>(Available under both normal mode and storage mode)</p>                                                                                                                                                                                                                                                   |

## Scanner Transmitter Setting



**Enter setting**

| Setting Code                                                                                                                     | Description                                                                                                                                                                                                                                                                                                                                               | Note                              |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <br>Set transmitter channel                     | Set working channel:<br>e.g.: NT 111=10#,<br>set working channel 10. Range: 00-15,<br>end with #.                                                                                                                                                                                                                                                         | 0#<br>1#<br><br>15#               |
| <br>Set transmitter ID                          | Set transmitter ID:<br>e.g.: NT 121=100#,<br>set transmitter ID 100.<br>Range: 1-254, end with #.                                                                                                                                                                                                                                                         | 1#, 2#...<br>...<br>100#,<br>254# |
| <br>Set corresponding receiver ID               | Set transmitter reporting to a named receiver:<br>e.g.: NT 122=200#,<br>set corresponding receiver ID 200.<br>Range: 1-254, end with #.                                                                                                                                                                                                                   | 1#, 2#...<br>...<br>100#,<br>254# |
| <br>Set beeper                                  | Activate or deactivate beeper function to indicate whether or not the signals are received during uploading data.<br>Signals received: 1 beep<br>Signals not received: 3 consecutive beeps<br>Note: this function will affect scanning speed. Scanning speed is 1 code per second when it is activated and 3 codes per second when not.<br>Range: 2#, 3#. | 2#<br>3#                          |
| <br>Restore all original transmitter settings | Restore this module to original settings.                                                                                                                                                                                                                                                                                                                 |                                   |



**Save & Exit**

## Scanner receiver setting



**Enter setting**

| Setting Code                                                                                                                      | Description                                                                                          | Note                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
|  <p>Set receiver channel</p>                     | Set receiver channel:<br>e.g.: NT 211 = 10#,<br>set working channel 10.<br>Range: 00-15, end with #. | 0#<br>1#<br><br>15#                                          |
|  <p>Set receiver ID</p>                          | Set receiver ID:<br>e.g.: NT 221=100#,<br>set transmitter ID 200.<br>Range: 1-254, end with #.       | 1#<br>2#<br>100#,<br>254#                                    |
|  <p>Enable scanner ID report</p>                 | Display scanner ID at the receiving end.                                                             |                                                              |
|  <p>Disable scanner ID report</p>                | Do not display scanner ID at the receiving end.                                                      |                                                              |
|  <p>Set Tab between ID and barcode</p>           | Set the delimiter between ID and barcode a Tab when ID report is enabled. (Default setting)          | e.g.: scanner ID=10,<br>barcode= 12345;<br>display: 10 12345 |
|  <p>Set White Space between ID and barcode</p> | Set the delimiter between ID and barcode white space when ID report is enabled.                      | e.g.: scanner ID=10,<br>barcode= 12345;<br>display: 10 12345 |
|  <p>Set "-" between ID and barcode</p>         | Set the delimiter between ID and barcode a "-" when ID report is enabled.                            | e.g.: scanner ID=10,<br>barcode= 12345;<br>display: 10 12345 |

|                                                                                                                                 |                                           |  |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--|
|  <p>Restore all original receiver settings</p> | Restore this module to original settings. |  |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--|



**Save & Exit**

Note: After a programming operation, the reader will emit beeps and the light will flash to indicate association to the base. Put the reader close to the base. Unplug the base for a few seconds then plug it back. The light and the beeper will stop on a successful setting. Then the reader will perform on the new setting.

## Repeated code detection setting

| Setting code                                                                                                             | Function                                                                                                                                | Description                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Enable repeated code detection</p>  | <p>Enable repeated code detection.</p> <p>Note: this setting will be automatically saved and remain effective after power failure.</p>  | When this function is activated, the scanner will give an error alarm with 5 beeps and automatically cancel the last repeated code if a repeated code is scanned. |
|  <p>Disable repeated code detection</p> | <p>Disable repeated code detection.</p> <p>Note: this setting will be automatically saved and remain effective after power failure.</p> |                                                                                                                                                                   |

The above detecting time can be adjusted by scanning the following codes:  
(default: 6 seconds)



Enter setting

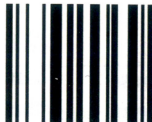
|                                                                                                                   |                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <br>Set detecting time 6 seconds | <br>Set detecting time 5 seconds |
| <br>Set detecting time 4 seconds | <br>Set detecting time 3 seconds |
| <br>Set detecting time 2 seconds | <br>Set detecting time 1 seconds |

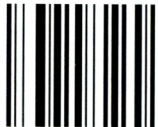
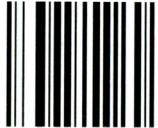
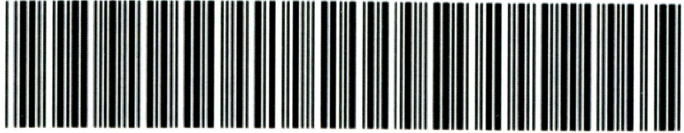


Save & Exit

Appendix – 1

0-9, #, TEST 1234567890

|                                                                                          |                                                                                          |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>0 | <br>1 |
| <br>2 | <br>3 |

|                                                                                                                                |                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  <p>4</p>                                     |  <p>5</p>                       |
|  <p>6</p>                                     |  <p>7</p>                       |
|  <p>8</p>                                     |  <p>9</p>                       |
|  <p>#</p>                                     |  <p>TEST 1234567890</p>         |
|  <p>Restore All Original Scanner Settings</p> |  <p>Start Wireless Scanning</p> |
|  <p>Display version information</p>          |                                                                                                                  |