

# **Zxx Image Downloader**

**ETS APP** 

Application program version: [3.0] User manual edition: [3.0]\_a

www.zennio.com

## CONTENTS

| Сс | ontent | S                  | . 2 |
|----|--------|--------------------|-----|
| 1  | Int    | roduction          | . 3 |
| 2  | Ins    | tallation          | . 4 |
| 3  | Fur    | nctionality        | . 5 |
|    | 3.1    | Screensaver        | . 6 |
|    | 3.2    | lcons              | . 8 |
|    | 3.3    | Special Characters | 10  |

### **1 INTRODUCTION**

**Zxx Image Downloader** is an ETS application which offers the user to customise some visual aspects of **Z35**, in addition to extending support for certain alphabets.

Its main features are:

- Selection of a **custom image** to be used as a **screensaver**.
- Selection of images to **customize the icons** of controls and indicators.
- Download the complete set of characters of the Arabic and Hebrew alphabets.
- Auto-detection of special characters inserted in any of the text type parameters.

### **2** INSTALLATION

The installer file can be obtained for free at my.knx.org, in the Shop, in the <u>ETS Apps</u> section, <u>All ETS Apps</u>.

After the purchase process, the download file will be available in the **My Account** area, in the **Products** section.

Next step is to install the application in ETS:

1. In the ETS main window, at the right bottom, select the "Apps" checkbox. A pop-up similar to the following will appear:

| Apps | + Ċ                    |                  | 0 active        | / 9 installed |
|------|------------------------|------------------|-----------------|---------------|
|      | Install App            | Vendor           | Version         | License       |
| *    | Compatibility Mode App | KNX Association  | 5.7.743.36956   | <b>A</b>      |
| 9    | Device Compare         | KNX Association  | 5.7.743.36956   | •             |
| G,   | Device Templates       | KNX Association  | 5.7.743.36956   | •             |
| -    | ElBlib/IP              | KNX Association  | 5.7.743.36956   | •             |
|      | Extended Copy          | KNX Association  | 5.7.743.36956   | •             |
|      | Labels                 | KNX Association  | 5.7.743.36956   | •             |
|      | Project Tracing        | KNX Association  | 5.7.743.36956   | •             |
|      | Replace Device         | KNX Association  | 5.7.743.36956   | •             |
|      | Split and Merge        | KNX Association  | 5.7.743.36956   | •             |
|      | ETS Version ETS 5.7.   | 2 (Build 743) Li | cense ETS5 Lite | Apps 0 activ  |

Figure 1. Installation

Once the application is installed, it will appear in the list of applications as shown in Figure 2, and will be available in the **Apps** tab of the toolbar of any project.



Figure 2. Complete installation

## **3 FUNCTIONALITY**

Once the application is installed, it is accessed from an additional tab called DCA. This tab appears when Z35 device is selected: **Device**  $\rightarrow$  **Z35**  $\rightarrow$  **DCA**.

| Devices  | 1.0.245 Z35 > Main Configuratio | on > General                     |                                 |
|--|---------------------------------|----------------------------------|---------------------------------|
| <ul> <li>Bynamic Poles</li> <li>1.0.245 Z35</li> </ul> | - Main Configuration General    | INPUTS<br>THERMOSTATS            |                                 |
|  | Translations<br>Backlight       | Show Time                        | V<br>Internal Temperature Probe |
|  | nternal Temp. Sensor            | Button Box Style                 | Black frame                     |
|  | + Display                       | First Weekday                    | Monday     Sunday               |
|  |                                 | Time of Day Update Request Delay |                                 |
|  |                                 | Screensaver                      |                                 |
|  |                                 | Proximity Sensor                 | i v                             |
|  | Group Objects Channels Pa       | arameters DCA                    |                                 |

Figure 3. Project >> Device >> Z35 >> DCA Access

When clicking on DCA tab, the **Zxx Image Downloader** application opens the workspace window with three additional tabs: "Screensaver", "Icons" and "Special Characters" explained in the following sections.



Figure 4. Zxx Image Downloader

#### **3.1 SCREENSAVER**

"Screensaver" tab offers the possibility to select a custom picture to be used as a screensaver in Z35.

| Screensaver Icons Special Characters |   |
|--------------------------------------|---|
| Open Image                           |   |
| •*Zennio <sup>*</sup>                | The dimensions of the image must be 320x240 pixels. The supported image formats are: .png, .jpg, .jpeg and .bmp |
|                                      |   |

Figure 5. Screensaver

First, next to the picture loaded in the DCA by default, the tab shows a warning message informing about the format required for a picture to be downloaded correctly to the device. The "**Open image**" button, meanwhile, will enable the desired image to be imported.

As long as the selected image has dimensions of **320x240 pixels** and its format corresponds to one of the supported ones (**.png, .jpg, .jpeg and .bmp**), a preview of it will be showed as well as a message indicating that the image has been loaded correctly.



Figure 6. Screensaver – Valid imagen.

After a valid image has been loaded, it will be downloaded when programming from ETS.

If the image does not meet the conditions described above, *Zxx Image Downloader* will display the default image with an informative message:

| Open Image            |   |
|-----------------------|---|
|                       | $\Delta$ Incorrect image format. The dimensions of the image must be 320x240 pixels |
| •*Zennio <sup>®</sup> |   |

Figure 7. Screensaver – Incorrect image format.

#### 3.2 ICONS



The "Icons" tab enables choosing the images to be displayed on the Z35 custom icons.

Figure 8. Icons

In the area marked with the number (1), the images for the 24 available custom icons must be selected and imported individually by clicking on the "Add Icon" button associated with each icon or by dragging the file to the row relative to the icon.

As detailed in the warning message available in area (2), in order for the imported images to be downloaded and displayed correctly on the device, they must meet the following requirements:

- Dimensions between 50x50 and 500x500 pixels, always with 1:1 aspect ratio.
- Formats must be .png, .jpg, .jpeg or .bmp.

- It is recommended that the images be in **grayscale** (4bpp without indexing), in positive (the application will invert it for representation on a black background) and with a white background.

In the area marked with the number ②, the icons will be imported as a set. For that, clicking on the "**Add Icon Set**" button and importing the \*.zip extension file containing all the images will be necessary. These images must be named as "*custom\_icon\_1*", "*custom\_icon\_2*", ..., "*custom\_icon\_24*", corresponding to the custom icons C1, C2, ..., C24.

The area marked with the number ③ will preview, for the proper resolution of controls and indicators, the custom icons correctly loaded (both from area ① and from area 2), informing also of those whose format is not supported by the application.

| lcon | Control      | Indicator    |                             |
|------|--------------|--------------|-----------------------------|
| C1   | $\checkmark$ | $\checkmark$ | lcon parameter properly set |
| C2   |              |              | ▲Incorrect icon format      |

Figure 9. Icons - Preview

#### **3.3 SPECIAL CHARACTERS**

"Special Characters" tab enables downloading complete character sets of the Arabic and Hebrew alphabets to the Z35 for subsequent recognition. In addition, it will enable the search and analysis of all special characters included in the text parameters of the device.

| Screensaver Icons Special Characters |  |
|--------------------------------------|--|
| Download additional character sets:  |  |
| Arabic                               |  |
| Hebrew                               |  |
| Search for special characters        |  |
| Analyze texts                        |  |
|                                      |  |
|                                      |  |
|                                      |  |
|                                      |  |
|                                      |  |
|                                      |  |
|                                      |  |
|                                      |  |
|                                      |  |
|                                      |  |

Figure 10. Special Characters.

Z35 is able to recognize characters belonging to the Latin, Extended Latin, Greek, Coptic and Cyrillic alphabets. The installation of *Zxx Image Downloader* will add to these, the characters belonging to the Asian font set simplified Chinese and Regular Thai, which will be considered and included in the list of special characters when a text analysis is carried out from the DCA.

In addition to the special characters indirectly included in the DCA, the user may make use of the special characters from the **Arabic** and/or **Hebrew** set. They must be selected in this tab.

| Download additional character sets: |
|-------------------------------------|
| ✓ Arabic                            |
| ✓ Hebrew                            |

Figure 11. Special Characters – Download addition character sets.

<u>Note:</u> See the <u>Noto Sans</u> source files for each of the alphabets mentioned for more information.

The user will be able to include any of the characters of the above mentioned sets in the text type fields or parameters of the device, but carrying out a previous search for them through the DCA will be necessary so that they can be downloaded to the device.

After clicking on the "**Analyze texts**" button, the DCA will perform a search, analysis and conversion of the characters found so that they can be displayed on the Z35 screen:

| s | earch for special characters |
|---|------------------------------|
|   | Analyze texts                |

Figure 12. Special Characters – Search.

At the end of the analysis, the DCA will list the characters that will be downloaded in Z35 and those that it does not recognize because they are not among the characters in the downloaded sets:

| Download additional of  | haracter sets:      |      |
|-------------------------|---------------------|------|
| Arabic                  |                     |      |
| Hebrew                  |                     |      |
| Search for special char | acters              |      |
| Analyze texts           |                     |      |
| The following charact   | ers will be downloa | ded: |
| กตล๚土努伏搊懼沦滅             |                     |      |
| The following charact   | ers are not recogni | zed: |
| טכת∛بعڵ                 |                     |      |

Figure 13. Special Characters – Text analysis.

Additionally, if the number of characters parameterised in the text fields of the Z35 project exceeds the number of characters supported in memory, *Zxx Image Downloader* will indicate which of these characters will be excluded from the download:

| <ul> <li>▲ Arabic</li> <li>▲ Hebrew</li> <li>Search for special characters</li> <li>▲ Malyze texts</li> <li>The following characters will be downloaded:</li> <li>         nousessuaadeduaryQQgmunaesmusuuJuklew/nuusnan/seterm/toevco</li> <li>Buling characters will be downloaded:         <ul> <li>nousessuaadeduaryQQgmunaesmusuuJuklew/nuusnan/seterm/toevco</li> <li>Buling characters will be downloaded:             <ul></ul></li></ul></li></ul>  | Download                         | additional character sets:  |
|--|----------------------------------|---|
| ✓ Hebrew Search for special characters Analyze texts The following characters will be downloaded: nousemusace/dianyQQgwanaeonnisuudualww/nausnanytoentoool Bullingpoolsのd&beldd*no-dtxtbbk/#基/#################################  | 🖌 Aral                           | vic   |
| Search for special characters Analyze texts The following characters will be downloaded: nousewaaddidanyQQQsmanneemsuudedwwinuusnanyaersooo muiningeoolood&boolddiec. nousewaaddidanyQQQsmanneemsuudedwwinuusnanyaersooo muiningeoolood&boolddiec. muiningeneesed. muiningeoolood&boolddiec. muiningeoolooolood muiningeoolood&boolddiec. muiningeoolood&boolddiec.  | 🖌 Heb                            | rew   |
| Analyze texts           The following characters will be downloaded:           חשטחפנונוסט (עעטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט   | Search fo                        | special characters  |
| The following characters will be downloaded: notupenutaaddenuQQgmannennsuulaikwinnusnantset. notupenutaaddenuQQgmannennsuulaikwinnusnantset. notupenutaaddenuQQgmannennsuulaikwinnusnantset. Bull?IIneooleod&bookd'ue-欣款歌床后交焊获懂來大力全量爆爆爆爆爆爆點的影響大力。 Bull?IIneooleod&bookd'ue-欣款歌床后交焊获懂來使爆爆爆爆爆爆爆點的影響大力。 Bull?IIneooleod&bookd'ue-欣款歌床后交焊获懂來使爆爆爆爆爆爆爆爆點的影響。 State The part of the   | Anal                             | /ze texts   |
| ndonawaaaddauyQQgmunaaannusuuluslowinuusnanjadadadoog<br>Bulingooolooceeodeeodeeecoo<br>Bulingooolooceeodeeodeeecoo<br>Bulingooolooceeodeeodeeecoo<br>Bulingooolooceeodeeodeeecoo<br>Bulingooolooceeodeeodeeecoo<br>Bulingooolooceeodeeodeeecoo<br>Bulingooolooceeodeeodeeecoo<br>Bulingooolooceeodeeodeeicoo<br>Bulingooolooceeodeeodeeicoo<br>Bulingooolooceeodeeodeeodeeicoo<br>Bulingooolooceeodeeodeeodeeicoo<br>Bulingooolooceeodeeodeeodeeicoo<br>Bulingooolooceeodeeodeeicoo<br>Bulingooolooceeodeeodeeicoo<br>Bulingooolooceeodeeodeeicoo<br>Bulingooolooceeodeeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooceeodeeicoo<br>Bulingooolooc | The follo                        | wing characters will be downloaded:   |
| 8.μ????」 9.μ????」の●の@@@@ddd/mac/ft/tx款////me/C/max//////me/C/max//////////////////////////////////   | กขขดตมง                          | จฉชชฒญฏฏฐฑฒณดตกหรนบปมฝพฟกมยรกุลฦาศษสหท้ออฯะื⊂ู                                      |
| 券煚羮煂糓娫聎爄燡燢僙燛熯蛦燌辡燸粖爋婹聧燸墲熯爗馇笂墲夌焟壉憸漌爑婱點旓勴爞懻<br>輘爕顣獝爧擨攝窡難聂罣旨看爮爼箘孧硰妏祒牉橸絩陎臇瞴艜鵳⊽覠朻杍杊虴柨杷秎枓柁柂<br>作쓕萆稖椼犎虴袑柒鴾穞犑聦梡挬辌瑿靟椱楤櫮槝犎檌潅鎀雈樀镙똩篂樌檏媋讍踺嶑褿櫡恗<br>褶荷泑獫掶獚獕糓獇濷獚瀇堻漅滲熮撌緇薝嫐潬潐焿踸澋濫꽺玃瀶靋擹瓃꺯獚雞猈獂瀸<br>猢汅挬兲丣丒珬烎抌昹鈄챆琧भ珇昁珿狉珋玸玸攱跰嶊搅漙墰霮鸿瓣瓂攎騺攔壃嬦灢孍彈鑩園<br>遭溝壅壃瑋謹ڂ鼍躘瀇彏孈瓕旐瓡苝躢甉熋爴瓤幒爢爴瓤鱊瓹嵶瓭瓹雭皩馲睕瓯萟瓹籈<br>髪軧癹薍盭瓡娍甈軧蓌騆甈甈戅瓢髱齀髱甗鼦甋甐甗蓌齀甐甗鰄鄚嬮甗颻嬱鴡ᇕ灩灩瀶<br>鏨昿鼣謽諎朣貹雥褩甹助队貥毗揱眗眢蠫貿酹唊畻旽駴睮賦謍駎暛嘇贈寶諨曐鴄腵疝疞庌妵<br>拦痯妳疣疲疲廀痌佶伷寙痓샦痯痯庿痡痯焴桍洜庥痜衞痐癨痭庈顩鬳緈偅挗儣<br>The following characters are not recognized:<br>瀒癦廀庿癅瘯痽蓙瘔嶣麘Å焝鬳庴瘷焢廀樀撱雐癑攟碞赩飍了<br>oo749<br>The following characters will be excluded (not enough memory space):<br>瀒癦廀庿癅瘯蓙蓙瘔瘨麘癢痯瘨麆瘷喤廀癓瘬麠麠靋瀘虀衋瑿蠈罿罿漄鼀壨眵肞趶聁脵詽聈<br>昮眑肶眫昲睸蛅鼔魀睝跞聐晎睰睶魣眙睉踜貥誧輍韸矈瞸膒瞛圓酨뛨僒矈霢矔鬙揓碞睖髾<br>膝瞱諨瞔羀鬙鬙聮贎矋聤騕朠矖膃瞨頥驙鱹灩飌矋麚鬙灎驖瞷榳贎膸醧龑躑皥斸<br>鼺矒蹳礥髇蝞餪戅蘍甅鑓矖羀瞛睸髗鼮矖髗鼮朣髗鼮颽鷴羀醔鶗腏斴翋赨糪氇糫摺粈玼姡娊逹   | ฿เแโใไๅๆ๏                        | oのしの๔๕๖๗๘๙๚๛欣欯獸尿焐聚煌荻燑蒸焚煌鲞煟惣煝猷蛁燛煤媊厚保焢熐爓  |
|  | 粪煚養燁                             | <mark>毇</mark> 娫焣傆溄燛煷燛熯婱熷逹煼蓔爋燛憠燸熑熼爗煂鲛墲藀焟壉憸癦煠蘷點焴擳爖濽                                  |
| 非時年結初率指将率機權項秘統特容擊擊破擾福總擊標權修種穩僅僅類橫橫福陸橫不<br>行時年結初率抗外並為並為<br>指導。<br>臺灣一時一個<br>一個<br>一個<br>一個<br>一個<br>一個<br>一個<br>一個<br>一個<br>一個   | 雙爕爛婚                             | 爠擨爞 <u>黀難爨</u> 罜舀看櫖爼睂孿  |
| 智機从孤介決研茲如後法在招決抽径删積使預泊が洗淀停泊復經強結減價潛使預落指導物強<br>須消淪須洗猶難受活識法演講準備運得參瀏講淄演彈環境提導進與濯經彈灌識強環議選 以利<br>利羽好污美而受迅及式於時詳地理時或地域的或與其重定治治時環境環境運動到<br>這環境運得增增量環境構要環境環境環境で、<br>環境運環境構要環境構造環境環境運動和<br>電源電力構動。<br>製工業工作、<br>電源電力、<br>電源電力、<br>電源電力、<br>電源電力、<br>電源電力、<br>電源電力、<br>電力、<br>電源電力、<br>電源電力、<br>電力、<br>電源電力、<br>電源電力、<br>電源電力、<br>電源電力、<br>電源電力、<br>電源電力、<br>電源電力、<br>電源電力、<br>電力、<br>電源、<br>電源、<br>電源、<br>電源、<br>電源、<br>電源、<br>電源、<br>電源  | 作铃军结                             | 祵犎洉特硰벚锋犋梕铳犉辌掔奜覆楤糧槝兿榞搉鎀槰樀镙檴罉樲擈穘橿埿犦檮 <b>檽</b> 榗                                       |
| 須狗猶渡預播製活瀏濃須循盪课參溶損溫須做單循環鏈濃溫與裡麵避猩纖纖濃爆這以則扑<br>到羽好污美师登出玩玩以刘溫薄淚環礁這功道環測整葉濃環環環球線環境環境環境環境<br>環環臺環境場臺環準構築環境環境或地址抑縮和成如創制機斷創斷的成而服要變點較<br>影影愛點試廠域點就變點或較認點試驗認試驗認試驗較點要點點較較的要要<br>動成就會機種性量變。<br>動以就會機理性量變。<br>動以就會機理性量變。<br>動以就會機理性量變。<br>動以就會機理性量變。<br>動以就會構成。<br>一個<br>一個<br>一個<br>一個<br>一個<br>一個<br>一個<br>一個<br>一個<br>一個   | 糟髏夶犼                             | <b>犴</b> 铗豘胘耞柊抾莥孡猠 <b>舳</b> 径銏挗挭徟狛烌挄捉搼簎獀挳跿龡俔狭濳捿淗獇揝媁惣灐                               |
| 刘外好污天和並拉攻妖妖科和聖芽田物址公响理使用運得推荐推接環境環境構成体構築及接相域<br>理測整理機構整構構整構構構構構構構構構構構構構構構構構構構構構構構構構構構構構構   | <b>须狗翁狭</b>                      | 頒獚糓狧纖濓猽鑎獽摷傪熮殰緔羳鋷褝癄豄嫤猠癑掹猰獕瀶遰忂擨纖灢壣瀳玜舏玣<br>壴瓄偄聑炶趮炶戝埢侽丷聑垥瑌荶瑌瑮垬逬丳虴垥竛殎娦垥垬抣垬垥 <b></b>      |
| 理海羅環境構築構築構成。<br>理海羅環境構築構築構築構築構成。<br>建海羅環境構築構築構築構築構成。<br>型物で加速<br>型数設配約減減減減<br>製数設置的減減和設定取物整整。<br>動物就會能調整<br>動物就會能調整<br>動物就會能調整<br>動物就會能調整<br>一個<br>「   | 判别好巧                             | 夫柳叟姓攻妖奴科狮叟拼拍姉捉还啊姐嫂妍矍旋笼啃烂茄莎洗屎炼摸残场馋烟嗽<br>迧瑏逦琩狕楋貭琂潹曗狣瑻碤祶聑嫙婜僐雂壃嚔螰鯼楌璴熪媫芇琩鳸皪蛢璙殌畐漧         |
| 2 病壁周度相当構成構造構成的。<br>型 報受範認範疇或照和設計軟觀型就能點認能認識認能觀測觀測更都調要都調要認動受難調要<br>動 取就管護躍點義就美的NI的此早的容習留時時時時酸時時智時時時時<br>動 取計會提醒點義就是的NI的此早的容習留時時時時酸時時智時時時會調整團就如方存皮<br>注意來疣疲疲度有活在症痣床疳溶痛痒痛疳疹疾床痛適症病溶病溶痛痛痛<br>方子ののこと <sub>のの</sub><br>の<br>の<br>の<br>の<br>の<br>の<br>の<br>の<br>の<br>の<br>の<br>の<br>の  | 理理球查理                            | 椊闎稝쪏狔溂穲璸湀琜暆燑咰瓆珃猍蟚璑琓凙鴙琗殔嚤瓂煡瞏溂瓄艕塻瀮椙篕麠濲<br>莥瓁觷碯瓐虇瓂嶊瑮飰紤赾笷赾ល釽斳葪僶礏斸黺礢邒տ帞嗀葝臱蝹葝瓳勆歬邷砳        |
| 2 3 2 100 5 10 10 10 10 10 10 10 10 10 10 10 10 10   | 华府暨周<br>契新恐部                     | 婮嶶茟樄慲檂瓂櫅牅瓝毢唈ᇞ祻瓝娰爴켂騘蓙剾軕飅頕嵨憪Ͷ熌罛莄寛벆晀匘椛瓵貥<br>豿樜歮野萂塣蘣葝銗鷧薞錉蜸甈鍄齞鴚銌蒮蓜箈斳蘍斳齞齞薼勴               |
| 計画的目底上建設ですが、内容の単位であってもない。<br>注信が疣痕度度角倍症症接痛着危痛病痛病存療療療病過薄痛病療<br>The following characters are not recognized:<br>のつてり<br>のつてり<br>The following characters will be excluded (not enough memory space):<br>痛瘟債痛瘡疫症愈疾癌症痔痔瘡痛痛療瘡痛痛療疫症<br>瘤液素瘤病清痛療療症<br>瘤液素瘤病清痛療療症<br>瘤液素瘤病清痛療療症<br>調査<br>酸糖量、<br>肥粉麦效酸酸酸醋酸酸酸酸酸酸酸素<br>品盆室室塗塗<br>動物量、<br>時間時間、<br>時間時間、<br>時間時間、<br>時間、<br>時間、<br>時間、<br>時   | 斷版款緯                             | ᄡᇔᇧᇧᆑᆺᆂᇧᇾᇍᇧᇑᇟᄸᇔᇔᇜᇑᆈᇜᆺᇌᇞᇍᇏᇊᇔᇏᇊᇕᇔᇊᇍᇔᇊᇆᇍᇕᇊ<br>欈攉輫雥鉎皇肍臥眆肸里睮鐕姴昍轁骵瞣睶臄踘醳嗧朠睰膮嚰罋諨衋讗鄮疝疠겯疛     |
| The following characters are not recognized:<br>مەڭ بوي مَعْطَسُوا خُرْرسَعَة يَعْمِكَمَنَ<br>The following characters will be excluded (not enough memory space):<br>痛瘟債庫癔疹症愈疾癌症症病痛痛痛痛痛痛痛痰症濃瘤痢瘤、<br>瘤液素瘤痈清瘤痛病瘤痛痛痛痛痛痛痛<br>瘤液素瘤痈清瘤痛病瘤<br>瘤液素瘤痈清瘤痛病瘤<br>的就與時間點時的發展的影響。<br>那時起時雪響習醫際調練時暖時腸躍變時點路發展的對於會時服在<br>動中起時雪響習醫院調練時暖時腸躍變時<br>時中起時雪響習醫院調練時暖時腸躍變時<br>時中超時雪響習醫院調練時暖時腸躍變時<br>時中國的時度時習動發展的發展的<br>是一時的一般的一般的一般的一般的情況。  | <u></u><br>主<br>症<br>病<br>病<br>症 | 振祥/在994-17-57-57-57-57-5-5-5-5-5-5-5-5-5-5-5-5-                                     |
| The following characters are not recognized:<br>مەتكەمەتكەمەتكەمەت بەيەمۇطىئو أخۇرىقىغەيكەن<br>The following characters will be excluded (not enough memory space):<br>希座廣備應溶症愈床盛在在唐漢落病產搞商來這度商烧蜜簽度游療療腐療適應最都導廠滯<br>密碇壞瘤鴉清療療療育實逐審實產高層處適層實施富實處應高分的的說是一個一個一個一個一個一個一個一個一個一個一個一個一個一個一個一個一個一個一個   |                                  |   |
| The following characters will be excluded (not enough memory space):   | The follo                        | wing characters are not recognized:   |
| The following characters will be excluded (not enough memory space):<br>希座廣庫應痧症瘤煉座座產產傳產層準層廠僅處廠上。<br>瘤疫表瘤瘫潰瘤療療育種證證書煙裏濃續產廠是最適合的此我習時時暗習場理論就更<br>紀就食效裝飯維節類就類機鏈數古五盆宝蛋沒互素素容益素蓝整置營續費整形取軒即跃軒的<br>易物批判確目站該診督所钻供話略盱眙跧該謊請給鋒時該腔饋助督陝營時賬蹤習斷昇瞭習<br>該畔話時當智督醫哄閒減時硬裝腸證暖體醫體離點畏買說習者蹉嵘閑璇蒔謞匯館模糊喻斷<br>躍莆肠簡簡調裝買幣這實聯智濃聯躍樂邏體聽體離離對狃社課種浸潤知批姑規掉<br>描本工作和又及其化生產和在近日的的時間。   | ݜݝݞݠݤݥݩ                          | 71⁄9 ە_مۇطسوتا گۇر  |
| 夈癦僓肁穯荹痽廍庲圶痓瘄侇瘏痜傄篟傄颒虗痮瘹獟瘶瘘奞廍癢艉傐痶傐窷兣簻僓廍澟奒廗<br>瘹瘲嶶譍獟膭瘄潗厱獬黂龝篴癨癑殗灜灜徸窷噾瘨廘麎讏叧竓劰絖蜫聟晹崝睳醔嶹轣纗肒謢<br>豝蚾夋虠熭额鍿馛餪皷藃礆饄豰盂菗諡宝굧盕萾寚囨錅捦齹蘁萾罿灐壗鼄蘁髟臤盰旫畉盰聈<br>昮肳肶呌疿眲岾眣訫睝盺鮕晎絬鰫骬跲跧該髚瞝鞈窹嫴瞸聜奘睙眑髾脥箮矈覵韼鬙齭曻輬髾<br>踜瞱锰嵵睝睝睝鴼瞨闎峸朜矆朠鶍睈譢鰀謵帴譄糄褜闎覵髾謍扗髊鱡閷暶竱趪膒魖鷆齱睔鏩<br>躣諎嶶쮑睮聑蔇躀喯譠彋瞮豋鴊隦鞸贃躣矀黀矔譨艬矖嚪躣莤犳孲赨韖穜穝穳妱炪紪姡娊緈<br>緼丂匸砤瑘敆蒾쫀笀霒砤虴弫竛砤蛢挭浖   | The follo                        | wing characters will be excluded (not enough memory space):                         |
| 瘢瘊嶶噾癕渍瘄癛厱癬貭攍篴癨癑痽灜鵆籚չ廍瘔瘨寙麎噡叀眊岶絖喿譻嵑睶皠譻嶹鄊钂訙謢<br>舥皳夋虠熭햾鍿馛爒皷藃礆繨豰盂莁盆宝盃盕萾宻鋻盐齹薀蠈罿灐繣衋蘁髟訍盰旫镺詽旫<br>昻肳肶呌昲聑岾眣訫睝跞鮕晎絬鰫骬跲跧該膔聼唂艂痗眜踁笢睍眑髾脄偗矈瓹膇萺齭晜賩髾<br>踜瞱掹휹睝睝睝鴼弽僩峸諪폖擌踼詛鍐鰀謵帴譄繿誛磒誢鴖衜沯諻繎閖璇璹闧讈睻嫨齱睔斸<br>躣譄嶶쮑睮蹞膮躀喯譠撔黺聟膭隦罜榺膃儎闏礕驣躣灩矡嵍粈赨韖獞穝攢妱炪敥姡娊緈<br>塧丂匸枊瑘芅蒾쫀ᅶ畐郲妵笓玜珆攱橁挬潧  | 痛痤痩痺                             | 콀荹 <b>翋踋汬</b> 痊痓瘖癛槣윢誻鳸禬瘶揘嶣駨摖瘷嵏撎嶎癢癙鳸痶灜齌瓋蕸蔶鋷肁籖廗                                       |
| 妑螏夋虠葮甋艡皶餪皷藃礆繨豰盂菗盆寍굧盕萾寚殟寍捦齹薀蟁罿灐繣鼁蘁髟訍盰旫畉詽旫<br>昻肳肶叫砩眲蛅鼔訫睝盺詃晎絬鰫骬鈶跧該膔瞝鞈艂痗眱腟踑閯勪萯脄儅矈擫ឈ萺衚曻賩髾<br>踜瞱鯭휹睝睝睝聕曗礀峸諪矆緓踼跙鍐鰀謵帴遌繿矏磒覤鴖謍謍譢艓閷嫙暷闧讈魖嫨齱皫鏩<br>躣譄餟礥謒頣膮躀喯譠彋黺聟癑隦罜皪膃矘隇騹囄嚵躣阘躣莤敄狃赨韖穜穝穳妱泏敥姡娊涬<br>塧丂匸砤瑘乥碤쫀└盄莬瑘笀ビ忩柆蛅弫汮虳攱壉挬懚   | 癥瘫癢瘤                             | 瘫渍磨瀼瘯癬痯羣遼癯癑癨灜癇廬痲噟瀼癰癑癌叧眊岶絖昻皆暍媋皠鬙嶹轣纗肒夎  |
| 昻肳肶阧瑮聑岾脄飶睝跞跍晎絬鰫骬鈶跧踜膔誧唂艂嫥駷跮饓朖眑萺脥偧矈擫榳萺衚焺賩萺<br>踜茾掹陼畣睝睝騽瞴譋峸朜騕朠鶍脭鍐謵帴跇糄纓鶰覤鴖衜硰踛枼閷暶竱趪讈魖嫨齱鷠鏩<br>躣譄嶶쮐謒頙膮躀喯朣彋黺謍膭隦罜榺膃儎隇髶囄嚵躣駶躣莤矟狃赨韖獞穝濻妱炪敥姡婗涬<br>塧丂匸枙漝芅珴쫀圵乭焑茪ビ忩柆鈶挭汮  | 肥蚾食虠                             | 嫠햾艡햾腝皷謸颾煡鷻盂盂盆宝盔溫淔室 <b>盚</b> 錅掹寚萓盬罿灐 <b>繵衋</b> 蘁肜訍盰旫畉盰聈                              |
| 跠胓薖踕衟睝謍錉曣痬蝂朜踜朠瞲踸踜踕睻蒆趞蝂橾闎覠뛎謍篃謃殜閷暶竱籏甅魖檃齱鷠鏩<br>躣譄嶶쮑謒衈膮瑻賥譠彋黺謍癑隦罜贃匩儎蒧髶襐嚵躣阘躣莤劧粈赨韖穜滠撌妱炪敥姡覢涬<br>緼夵讠枙跒芅珿쫀圵孨郲妵汑竛柆蛅弫淧抣媋橕懚   | 昂昒毗阧                             | 騍睸貼眣駜省跞聐晎睰眳骬跲跧該牑誧輍嶐矃駷踁饓誏勴晳鿃偧矈賑鯅睯齭晜諒睯<br>乛臽峾瑘  |
| 瞴篃瞈瞺畼삖暁隕舮睻康凞謍康隦硨睐塦曬踜鬠囇囇躣幮已曤扚弣摾罧撞╊摜焀泏溅夡淣辡<br>皡丂仩硘丣珬ヱ水ぷ石加たになぬみ現功巧ぁぁ?   | 眼睛話睛                             | 曶諬睝緍瞸眱輙聤瞨韺諹朣踜쁁謵䁖遌暚暥瞔跜腜謍宭暛隒熌镟暷籣膒謯瞨鞹蜦鏩<br>ᅆ娝哠隬荶嚋鳫畍鐕鬳岰隬岰嘪嬩水蟚婨 <b>鷠</b> 瀮劅孈劧乿殅趮藛壃鵛彸灲厸垥垥 |
| THE REAL PROPERTY AND  | <b>睡暗盼暗</b><br>梅天九四              | 蟵礖隢暊賥睻踈敶謍癑隦瞱曣踕矖蹗睯矖囇矔闦囆畽扚弣摾罧撞撔摜焀炪湚姡淣辡<br>卭琌棸琌琌萯拁攱虴攱瓡垬珿淧抣嬳嬳譐                          |

Figure 14. Special Characters – Enough memory space.



Join and send us your inquiries about Zennio devices: https://support.zennio.com

Zennio Avance y Tecnología S.L.

C/ Río Jarama, 132. Nave P-8.11 45007 Toledo. Spain

Tel. +34 925 232 002.

www.zennio.com info@zennio.com

