# Translate Document from Print to Braille

In this video, we will show you how to change the default translation table, set Braille paper size, translate a print document into Braille, and save it in different file formats.

## Change Default Braille Translation Table

The Unified English uncontracted Braille table is selected by default.

If no other translation table is applied for a print document, the default translation table will be used.

Now, we will set the Unified English contracted Braille table as the default one:

1. Open the Tools menu and choose Options.

2. Use the down arrow to select the "Translation tables" settings page.

3. Press Tab to navigate to the first item, which displays the name and path of the current default translation table.

4. The next tab item is the "Browse..." button. Press the Space key to activate it.

5. A new dialog box will appear, with the focus on the "Language name" field. Select "English".

6. Move to the next tab, and choose "Unified English contracted".

7. Click Ok. The focus will return to the Options dialogue on the "Translation tables" settings page.

8. Continue by clicking Ok to save the change and return to the main editing window.

However, we will also set the Braille paper size in this Options dialog, so we won't activate the Ok button yet.

## Set Braille Paper Size

By default, the Braille paper size is set to 11.5X11, with Characters Per Line (CPL) set to 40 and Lines Per Page (LPP) set to 25.

If you are reading Braille on a single-line Braille display, you may only need to set CPL to match the number of cells on your device.

If embossing on paper or reading with a multi-line Braille display, you'll need to adjust LPP to fit your paper size or device.

In this demo, we'll change to A4 paper size, set CPL to 30, and LPP to 27.

1. Press F6 to quickly jump to the settings page pane, then use the up arrow to select "Embosser".

2. Press Tab to navigate to the "Paper size" option, and use the down arrow to select "A4 (8.3X11.7)".

3. Move to the CPL tab, enter "30".

4. Move to the LPP tab and enter "27".

5. Click Ok to save the changes and return to the main editing window.

## Translate and save the document

Currently, on the Sao Mai Braille's screen is the Sample Print Document.

To translate it into Braille, press Control+T, or choose "Translate" from the Tools menu.

In this Braille document window, you can edit using the 6-key Braille input method, with the letters f d s corresponding to dots 1 2 3, and the letters j k l corresponding to dots 4 5 6.

Let's go to the end of the document, insert a blank line, and try inputting three letters "SMB".

Please note: Due to screen readers not fully supporting the SMB's rich-text editor control yet, users relying on screen readers may not see correct Braille spacing on their Braille displays. However, the content is properly formatted on the screen itself.

To display it correctly on a Braille display with a screen reader, press F8 to view as BRF or F9 to view as BRL. Then, press Escape to exit the view.

The options to view as BRF and BRL can also be found in the Views menu.

Let's view the document as BRF.

Press Control+S to save this document with the name "Sample Braille Document".

By default, the program saves Braille documents with formatting, with the file extension .SMB.

Additionally, you can save in other file formats such as:

- Braille-ready Format with the .BRF file extension: it includes fully formatted content, including headers and footers, line breaks, and page breaks according to the Braille paper size.

- Unformatted Braille with .BRL extension: it contains plain Braille text without headers, footers, and page breaks.

- Spanish Braille with .BRA extension: it's similar to the BRF file type, but without page breaks.

- Portable Embosser Format with .PEF extension: it's saved in XML-based data structure. When saving in this format, you can go to the File menu, select "Property," and provide metadata information for it.

Now, let's save this Sample Braille Document as the Braille-ready format BRF file type.