



# Technical Brochure

## Miss Elly 3

Version : September 2019

<b>Voices</b>	<b>3</b>
Voicelist – version 20190402 and up	3
Optional Arabic and Hebrew language pack	12
How to change language and voice settings	12
<b>Camera</b>	<b>13</b>
Items	13
Installation	13
Navigation modes	13
Navigation block and stickers	13
<b>Storage Keyboard</b>	<b>14</b>
Items	14
Storage capacity	14
Format	14
Saving	15
Erase current memory	15
Adding pages to a position	15
<b>Text Recognition</b>	<b>16</b>
Text recognition with column detection	16
Text recognition without column detection	16
<b>Page Orientation</b>	<b>17</b>
Hotkey	17
<b>Pitch Control</b>	<b>18</b>
Voices	18
Hot key	18
<b>Save to USB-stick without storage keyboard</b>	<b>19</b>
Format	19
<b>PDF reading</b>	<b>20</b>
How it works	20
Files	20
Text recognition	20
<b>Braille Output</b>	<b>21</b>
Functions	21
Compatibility function 1+2+3+4	21
Brailletable	21
Compatibility (only function 1)	22

# Voices

The voices from Nuance Vocalizer and Acapela are integrated in the EasyReader.



## Voicelist – version 20190923 and up

Total voices: 100

- Nuance Vocalizer: 51 (Nuance Vocalizer Embedded 3.0)
- Acapela: 39 (Acapela TTS 10.0.1)
- Acapela – Colibri: 10 (Acapela Colibri TTS 10.0.1)  
(robotic voices for improved intelligibility at high reading speed)

Abb.	Language	Voice	Manufacturer	OCR Engine	Mess.
AR	Arabic	Laila	Nuance Vocalizer	Option	Yes
AR	Arabic	Leila	Acapela	Option	Yes
AR	Arabic	Maged	Nuance Vocalizer	Option	Yes
AR	Arabic	Salma	Acapela	Option	Yes
BA	Basque	Miren	Nuance Vocalizer	OK	
BU	Bulgarian	Daria	Nuance Vocalizer	OK	
CA	Catalan	Empar	Acapela	OK	
CA	Catalan	Jordi	Nuance Vocalizer	OK	
CZ	Czech	Eliska	Acapela	OK	Yes
CZ	Czech	Eliska Robotic	Acapela Colibri	OK	Yes
CZ	Czech	Zuzana	Nuance Vocalizer	OK	Yes
DA	Danish	Magnus	Nuance Vocalizer	OK	Yes
DA	Danish	Mette	Acapela	OK	Yes
NL	Dutch	Claire	Nuance Vocalizer	OK	Yes
NL	Dutch	Daan	Acapela	OK	Yes
NL	Dutch	Daan Robotic	Acapela Colibri	OK	Yes
NL	Dutch	Xander	Nuance Vocalizer	OK	Yes
NL-BE	Dutch (Belgium)	Ellen	Nuance Vocalizer	OK	Yes
NL-BE	Dutch (Belgium)	Jeroen	Acapela	OK	Yes
NL-BE	Dutch (Belgium)	Zoe	Acapela	OK	Yes
NL-BE	Dutch (Belgium)	Zoe Robotic	Acapela Colibri	OK	Yes
EN-AU	English (Australia)	Lee	Nuance Vocalizer	OK	Yes
EN-UK	English (Great Britain)	Daniel	Nuance Vocalizer	OK	Yes
EN-UK	English (Great Britain)	Malcolm	Nuance Vocalizer	OK	Yes
EN-UK	English (Great Britain)	Peter	Acapela	OK	Yes
EN-UK	English (Great Britain)	Rachel	Acapela	OK	Yes
EN-UK	English (Great Britain)	Rachel Robotic	Acapela Colibri	OK	Yes
EN-IR	English (Ireland)	Moira	Nuance Vocalizer	OK	Yes
EN-SCOT	English (Scotland)	Fiona	Nuance Vocalizer	OK	Yes
EN-US	English (United States)	Ava	Nuance Vocalizer	OK	Yes
EN-US	English (United States)	Nathan	Nuance Vocalizer	OK	Yes

EN-US	English (United States)	Sharon Robotic	Acapela Colibri	OK	Yes
FI	Finnish	Onni	Nuance Vocalizer	OK	Yes
FI	Finnish	Sanna	Acapela	OK	Yes
FI	Finnish	Sanna Robotic	Acapela Colibri	OK	Yes
FI	Finnish	Satu	Nuance Vocalizer	OK	Yes
FR	French	Alice	Acapela	OK	Yes
FR	French	Anais	Acapela	OK	Yes
FR	French	Antoine	Acapela	OK	Yes
FR	French	Audrey	Nuance Vocalizer	OK	Yes
FR	French	Aurelie	Nuance Vocalizer	OK	Yes
FR	French	Bruno	Acapela	OK	Yes
FR	French	Bruno Robotic	Acapela Colibri	OK	Yes
FR	French	Claire	Acapela	OK	Yes
FR	French	Manon	Acapela	OK	Yes
FR	French	Thomas	Nuance Vocalizer	OK	Yes
FR	French (Belgium)	Alice	Acapela	OK	Yes
FR	French (Belgium)	Anais	Acapela	OK	Yes
FR	French (Belgium)	Antoine	Acapela	OK	Yes
FR	French (Belgium)	Bruno	Acapela	OK	Yes
FR	French (Belgium)	Bruno Robotic	Acapela Colibri	OK	Yes
FR	French (Belgium)	Claire	Acapela	OK	Yes
FR	French (Belgium)	Manon	Acapela	OK	Yes
GL	Galician	Carmela	Nuance Vocalizer	OK	
DE	German	Anna	Nuance Vocalizer	OK	Yes
DE	German	Claudia	Acapela	OK	Yes
DE	German	Julia	Acapela	OK	Yes
DE	German	Julia Robotic	Acapela Colibri	OK	Yes
DE	German	Klaus	Acapela	OK	Yes
DE	German	Markus	Nuance	OK	Yes
DE	German	Petra	Nuance Vocalizer	OK	Yes
DE	German	Sarah	Acapela	OK	Yes
DE	German	Viktor	Nuance Vocalizer	OK	Yes
EL	Greek	Melina	Nuance Vocalizer	OK	Yes
EL	Greek	Nikos	Nuance Vocalizer	OK	Yes
HE	Hebrew	Carmit	Nuance Vocalizer	<b>Option</b>	Yes
HR	Croatian	Lana	Nuance Vocalizer	OK	Yes
HU	Hungarian	Mariska	Nuance Vocalizer	OK	
IT	Italian	Paola	Nuance Vocalizer	OK	Yes
IT	Italian	Vittorio	Acapela	OK	Yes
NO	Norwegian	Bente	Acapela	OK	Yes
NO	Norwegian	Henrik	Nuance Vocalizer	OK	Yes
NO	Norwegian	Kari	Acapela	OK	Yes
NO	Norwegian	Nora	Nuance Vocalizer	OK	Yes
NO	Norwegian	Olav	Acapela	OK	Yes
NO	Norwegian	Olav Robotic	Acapela Colibri	OK	Yes
PL	Polish	Ania	Acapela	OK	Yes

PL	Polish	Krzysztof	Nuance Vocalizer	OK	Yes
PT	Portuguese (Portugal)	Celia	Acapela	OK	Yes
PT	Portuguese (Portugal)	Catarina	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Felipe	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Fernanda	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Luciana	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Marcia	Acapela	OK	Yes
RO	Romanian	Ioana	Nuance Vocalizer	OK	
RU	Russian	Alyona	Acapela	OK	Yes
RU	Russian	Katya	Nuance Vocalizer	OK	Yes
RU	Russian	Milena	Nuance Vocalizer	OK	Yes
RU	Russian	Yuri	Nuance Vocalizer	OK	Yes
SK	Slovak	Laura	Nuance Vocalizer	OK	Yes
ES	Spanish	Antonia	Acapela	OK	Yes
ES	Spanish	Marisol	Nuance Vocalizer	OK	Yes
ES-MX	Spanish (Mexico)	Paulina	Nuance Vocalizer	OK	Yes
SR	Serbian	Lana	Nuance Vocalizer	OK	Yes
SE	Swedish	Elin	Acapela	OK	Yes
SE	Swedish	Emil	Acapela	OK	Yes
SE	Swedish	Klara	Nuance Vocalizer	OK	Yes
SE-FI	Swedish (Finland)	Samuel	Acapela	OK	Yes
TR	Turkish	Ipek	Acapela	OK	Yes
TR	Turkish	Yelda	Nuance Vocalizer	OK	Yes
UK	Ukrainian	Lesya	Nuance Vocalizer	OK	Yes

***Voicelist – version 20190704 and up***

Total voices: 99

- Nuance Vocalizer: 51 (Nuance Vocalizer Embedded 3.0)
- Acapela: 38 (Acapela TTS 10.0.1)
- Acapela – Colibri: 10 (Acapela Colibri TTS 10.0.1)  
(robotic voices for improved intelligibility at high reading speed)

Abb.	Language	Voice	Manufacturer	OCR Engine	Mess.
AR	Arabic	Laila	Nuance Vocalizer	Option	Yes
AR	Arabic	Leila	Acapela	Option	Yes
AR	Arabic	Maged	Nuance Vocalizer	Option	Yes
AR	Arabic	Salma	Acapela	Option	Yes
BA	Basque	Miren	Nuance Vocalizer	OK	
BU	Bulgarian	Daria	Nuance Vocalizer	OK	
CA	Catalan	Empar	Acapela	OK	
CA	Catalan	Jordi	Nuance Vocalizer	OK	
CZ	Czech	Eliska	Acapela	OK	Yes
CZ	Czech	Eliska Robotic	Acapela Colibri	OK	Yes
CZ	Czech	Zuzana	Nuance Vocalizer	OK	Yes
DA	Danish	Magnus	Nuance Vocalizer	OK	
NL	Dutch	Claire	Nuance Vocalizer	OK	Yes
NL	Dutch	Daan	Acapela	OK	Yes

NL	Dutch	Daan Robotic	Acapela Colibri	OK	Yes
NL	Dutch	Xander	Nuance Vocalizer	OK	Yes
NL-BE	Dutch (Belgium)	Ellen	Nuance Vocalizer	OK	Yes
NL-BE	Dutch (Belgium)	Jeroen	Acapela	OK	Yes
NL-BE	Dutch (Belgium)	Zoe	Acapela	OK	Yes
NL-BE	Dutch (Belgium)	Zoe Robotic	Acapela Colibri	OK	Yes
EN-AU	English (Australia)	Lee	Nuance Vocalizer	OK	Yes
EN-UK	English (Great Britain)	Daniel	Nuance Vocalizer	OK	Yes
EN-UK	English (Great Britain)	Malcolm	Nuance Vocalizer	OK	Yes
EN-UK	English (Great Britain)	Peter	Acapela	OK	Yes
EN-UK	English (Great Britain)	Rachel	Acapela	OK	Yes
EN-UK	English (Great Britain)	Rachel Robotic	Acapela Colibri	OK	Yes
EN-IR	English (Ireland)	Moira	Nuance Vocalizer	OK	Yes
EN-SCOT	English (Scotland)	Fiona	Nuance Vocalizer	OK	Yes
EN-US	English (United States)	Ava	Nuance Vocalizer	OK	Yes
EN-US	English (United States)	Nathan	Nuance Vocalizer	OK	Yes
EN-US	English (United States)	Sharon Robotic	Acapela Colibri	OK	Yes
FI	Finnish	Onni	Nuance Vocalizer	OK	Yes
FI	Finnish	Sanna	Acapela	OK	Yes
FI	Finnish	Sanna Robotic	Acapela Colibri	OK	Yes
FI	Finnish	Satu	Nuance Vocalizer	OK	Yes
FR	French	Alice	Acapela	OK	Yes
FR	French	Anais	Acapela	OK	Yes
FR	French	Antoine	Acapela	OK	Yes
FR	French	Audrey	Nuance Vocalizer	OK	Yes
FR	French	Aurelie	Nuance Vocalizer	OK	Yes
FR	French	Bruno	Acapela	OK	Yes
FR	French	Bruno Robotic	Acapela Colibri	OK	Yes
FR	French	Claire	Acapela	OK	Yes
FR	French	Manon	Acapela	OK	Yes
FR	French	Thomas	Nuance Vocalizer	OK	Yes
FR	French (Belgium)	Alice	Acapela	OK	Yes
FR	French (Belgium)	Anais	Acapela	OK	Yes
FR	French (Belgium)	Antoine	Acapela	OK	Yes
FR	French (Belgium)	Bruno	Acapela	OK	Yes
FR	French (Belgium)	Bruno Robotic	Acapela Colibri	OK	Yes
FR	French (Belgium)	Claire	Acapela	OK	Yes
FR	French (Belgium)	Manon	Acapela	OK	Yes
GL	Galician	Carmela	Nuance Vocalizer	OK	
DE	German	Anna	Nuance Vocalizer	OK	Yes
DE	German	Claudia	Acapela	OK	Yes
DE	German	Julia	Acapela	OK	Yes
DE	German	Julia Robotic	Acapela Colibri	OK	Yes
DE	German	Klaus	Acapela	OK	Yes
DE	German	Markus	Nuance	OK	Yes
DE	German	Petra	Nuance Vocalizer	OK	Yes

DE	German	Sarah	Acapela	OK	Yes
DE	German	Viktor	Nuance Vocalizer	OK	Yes
EL	Greek	Melina	Nuance Vocalizer	OK	Yes
EL	Greek	Nikos	Nuance Vocalizer	OK	Yes
HE	Hebrew	Carmit	Nuance Vocalizer	<b>Option</b>	Yes
HR	Croatian	Lana	Nuance Vocalizer	OK	
HU	Hungarian	Mariska	Nuance Vocalizer	OK	
IT	Italian	Paola	Nuance Vocalizer	OK	Yes
IT	Italian	Vittorio	Acapela	OK	Yes
NO	Norwegian	Bente	Acapela	OK	Yes
NO	Norwegian	Henrik	Nuance Vocalizer	OK	Yes
NO	Norwegian	Kari	Acapela	OK	Yes
NO	Norwegian	Nora	Nuance Vocalizer	OK	Yes
NO	Norwegian	Olav	Acapela	OK	Yes
NO	Norwegian	Olav Robotic	Acapela Colibri	OK	Yes
PL	Polish	Ania	Acapela	OK	Yes
PL	Polish	Krzysztof	Nuance Vocalizer	OK	Yes
PT	Portuguese (Portugal)	Celia	Acapela	OK	Yes
PT	Portuguese (Portugal)	Catarina	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Felipe	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Fernanda	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Luciana	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Marcia	Acapela	OK	Yes
RO	Romanian	Ioana	Nuance Vocalizer	OK	
RU	Russian	Alyona	Acapela	OK	Yes
RU	Russian	Katya	Nuance Vocalizer	OK	Yes
RU	Russian	Milena	Nuance Vocalizer	OK	Yes
RU	Russian	Yuri	Nuance Vocalizer	OK	Yes
SK	Slovak	Laura	Nuance Vocalizer	OK	Yes
ES	Spanish	Antonia	Acapela	OK	Yes
ES	Spanish	Marisol	Nuance Vocalizer	OK	Yes
ES-MX	Spanish (Mexico)	Paulina	Nuance Vocalizer	OK	Yes
SE	Swedish	Elin	Acapela	OK	Yes
SE	Swedish	Emil	Acapela	OK	Yes
SE	Swedish	Klara	Nuance Vocalizer	OK	Yes
SE-FI	Swedish (Finland)	Samuel	Acapela	OK	Yes
TR	Turkish	Ipek	Acapela	OK	Yes
TR	Turkish	Yelda	Nuance Vocalizer	OK	Yes
UK	Ukrainian	Lesya	Nuance Vocalizer	OK	Yes

### ***Voicelist – version 20190604 and up***

Total voices: 99

- Nuance Vocalizer: 51 (Nuance Vocalizer Embedded 3.0)
- Acapela: 38 (Acapela TTS 10.0.1)
- Acapela – Colibri: 10 (Acapela Colibri TTS 10.0.1)  
(robotic voices for improved intelligibility at high reading speed)

Abb.	Language	Voice	Manufacturer	OCR Engine	Mess.
AR	Arabic	Laila	Nuance Vocalizer	Option	Yes
AR	Arabic	Leila	Acapela	Option	Yes
AR	Arabic	Maged	Nuance Vocalizer	Option	Yes
AR	Arabic	Salma	Acapela	Option	Yes
BA	Basque	Miren	Nuance Vocalizer	OK	
BU	Bulgarian	Daria	Nuance Vocalizer	OK	
CA	Catalan	Empar	Acapela	OK	
CA	Catalan	Jordi	Nuance Vocalizer	OK	
CZ	Czech	Eliska	Acapela	OK	Yes
CZ	Czech	Eliska Robotic	Acapela Colibri	OK	Yes
CZ	Czech	Zuzana	Nuance Vocalizer	OK	Yes
DA	Danish	Magnus	Nuance Vocalizer	OK	
NL	Dutch	Claire	Nuance Vocalizer	OK	Yes
NL	Dutch	Daan	Acapela	OK	Yes
NL	Dutch	Daan Robotic	Acapela Colibri	OK	Yes
NL	Dutch	Xander	Nuance Vocalizer	OK	Yes
NL-BE	Dutch (Belgium)	Ellen	Nuance Vocalizer	OK	Yes
NL-BE	Dutch (Belgium)	Jeroen	Acapela	OK	Yes
NL-BE	Dutch (Belgium)	Zoe	Acapela	OK	Yes
NL-BE	Dutch (Belgium)	Zoe Robotic	Acapela Colibri	OK	Yes
EN-AU	English (Australia)	Lee	Nuance Vocalizer	OK	Yes
EN-UK	English (Great Britain)	Daniel	Nuance Vocalizer	OK	Yes
EN-UK	English (Great Britain)	Malcolm	Nuance Vocalizer	OK	Yes
EN-UK	English (Great Britain)	Peter	Acapela	OK	Yes
EN-UK	English (Great Britain)	Rachel	Acapela	OK	Yes
EN-UK	English (Great Britain)	Rachel Robotic	Acapela Colibri	OK	Yes
EN-IR	English (Ireland)	Moira	Nuance Vocalizer	OK	Yes
EN-SCOT	English (Scotland)	Fiona	Nuance Vocalizer	OK	Yes
EN-US	English (United States)	Ava	Nuance Vocalizer	OK	Yes
EN-US	English (United States)	Nathan	Nuance Vocalizer	OK	Yes
EN-US	English (United States)	Sharon Robotic	Acapela Colibri	OK	Yes
FI	Finnish	Onni	Nuance Vocalizer	OK	Yes
FI	Finnish	Sanna	Acapela	OK	Yes
FI	Finnish	Sanna Robotic	Acapela Colibri	OK	Yes
FI	Finnish	Satu	Nuance Vocalizer	OK	Yes
FR	French	Alice	Acapela	OK	Yes
FR	French	Anais	Acapela	OK	Yes
FR	French	Antoine	Acapela	OK	Yes
FR	French	Audrey	Nuance Vocalizer	OK	Yes
FR	French	Aurelie	Nuance Vocalizer	OK	Yes
FR	French	Bruno	Acapela	OK	Yes
FR	French	Bruno Robotic	Acapela Colibri	OK	Yes
FR	French	Claire	Acapela	OK	Yes
FR	French	Manon	Acapela	OK	Yes



FR	French	Thomas	Nuance Vocalizer	OK	Yes
FR	French (Belgium)	Alice	Acapela	OK	Yes
FR	French (Belgium)	Anais	Acapela	OK	Yes
FR	French (Belgium)	Antoine	Acapela	OK	Yes
FR	French (Belgium)	Bruno	Acapela	OK	Yes
FR	French (Belgium)	Bruno Robotic	Acapela Colibri	OK	Yes
FR	French (Belgium)	Claire	Acapela	OK	Yes
FR	French (Belgium)	Manon	Acapela	OK	Yes
GL	Galician	Carmela	Nuance Vocalizer	OK	
DE	German	Anna	Nuance Vocalizer	OK	Yes
DE	German	Claudia	Acapela	OK	Yes
DE	German	Julia	Acapela	OK	Yes
DE	German	Julia Robotic	Acapela Colibri	OK	Yes
DE	German	Klaus	Acapela	OK	Yes
DE	German	Markus	Nuance	OK	Yes
DE	German	Petra	Nuance Vocalizer	OK	Yes
DE	German	Sarah	Acapela	OK	Yes
DE	German	Viktor	Nuance Vocalizer	OK	Yes
EL	Greek	Melina	Nuance Vocalizer	OK	Yes
EL	Greek	Nikos	Nuance Vocalizer	OK	Yes
HE	Hebrew	Carmit	Nuance Vocalizer	<b>Option</b>	Yes
HR	Croatian	Lana	Nuance Vocalizer	OK	
HU	Hungarian	Mariska	Nuance Vocalizer	OK	
IT	Italian	Paola	Nuance Vocalizer	OK	Yes
IT	Italian	Vittorio	Acapela	OK	Yes
NO	Norwegian	Bente	Acapela	OK	Yes
NO	Norwegian	Henrik	Nuance Vocalizer	OK	Yes
NO	Norwegian	Kari	Acapela	OK	Yes
NO	Norwegian	Nora	Nuance Vocalizer	OK	Yes
NO	Norwegian	Olav	Acapela	OK	Yes
NO	Norwegian	Olav Robotic	Acapela Colibri	OK	Yes
PL	Polish	Ania	Acapela	OK	Yes
PL	Polish	Krzysztof	Nuance Vocalizer	OK	Yes
PT	Portuguese (Portugal)	Celia	Acapela	OK	Yes
PT	Portuguese (Portugal)	Catarina	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Felipe	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Fernanda	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Luciana	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Marcia	Acapela	OK	Yes
RO	Romanian	Ioana	Nuance Vocalizer	OK	
RU	Russian	Alyona	Acapela	OK	Yes
RU	Russian	Katya	Nuance Vocalizer	OK	Yes
RU	Russian	Milena	Nuance Vocalizer	OK	Yes
RU	Russian	Yuri	Nuance Vocalizer	OK	Yes
SK	Slovak	Laura	Nuance Vocalizer	OK	Yes
ES	Spanish	Antonia	Acapela	OK	Yes
ES	Spanish	Marisol	Nuance Vocalizer	OK	Yes
ES-MX	Spanish (Mexico)	Paulina	Nuance Vocalizer	OK	Yes

SE	Swedish	Elin	Acapela	OK	Yes
SE	Swedish	Emil	Acapela	OK	Yes
SE	Swedish	Klara	Nuance Vocalizer	OK	Yes
SE-FI	Swedish (Finland)	Samuel	Acapela	OK	Yes
TR	Turkish	Ipek	Acapela	OK	Yes
TR	Turkish	Yelda	Nuance Vocalizer	OK	Yes
UK	Ukrainian	Lesya	Nuance Vocalizer	OK	

***Voicelist – version 20190402 and up***

Total voices: 96

- Nuance Vocalizer: 48 (Nuance Vocalizer Embedded 3.0)
- Acapela: 38 (Acapela TTS 10.0.1)
- Acapela – Colibri: 10 (Acapela Colibri TTS 10.0.1)  
(robotic voices for improved intelligibility at high reading speed)

Abb.	Language	Voice	Manufacturer	OCR Engine	Mess.
AR	Arabic	Laila	Nuance Vocalizer	Option	Yes
AR	Arabic	Leila	Acapela	Option	Yes
AR	Arabic	Maged	Nuance Vocalizer	Option	Yes
AR	Arabic	Salma	Acapela	Option	Yes
BA	Basque	Miren	Nuance Vocalizer	OK	
BU	Bulgarian	Daria	Nuance Vocalizer	OK	
CA	Catalan	Empar	Acapela	OK	
CA	Catalan	Jordi	Nuance Vocalizer	OK	
CZ	Czech	Eliska	Acapela	OK	Yes
CZ	Czech	Eliska Robotic	Acapela Colibri	OK	Yes
CZ	Czech	Zuzana	Nuance Vocalizer	OK	Yes
DA	Danish	Magnus	Nuance Vocalizer	OK	
NL	Dutch	Claire	Nuance Vocalizer	OK	Yes
NL	Dutch	Daan	Acapela	OK	Yes
NL	Dutch	Daan Robotic	Acapela Colibri	OK	Yes
NL	Dutch	Xander	Nuance Vocalizer	OK	Yes
NL-BE	Dutch (Belgium)	Ellen	Nuance Vocalizer	OK	Yes
NL-BE	Dutch (Belgium)	Jeroen	Acapela	OK	Yes
NL-BE	Dutch (Belgium)	Zoe	Acapela	OK	Yes
NL-BE	Dutch (Belgium)	Zoe Robotic	Acapela Colibri	OK	Yes
EN-AU	English (Australia)	Lee	Nuance Vocalizer	OK	Yes
EN-UK	English (Great Britain)	Daniel	Nuance Vocalizer	OK	Yes
EN-UK	English (Great Britain)	Malcolm	Nuance Vocalizer	OK	Yes
EN-UK	English (Great Britain)	Peter	Acapela	OK	Yes
EN-UK	English (Great Britain)	Rachel	Acapela	OK	Yes
EN-UK	English (Great Britain)	Rachel Robotic	Acapela Colibri	OK	Yes
EN-IR	English (Ireland)	Moira	Nuance Vocalizer	OK	Yes
EN-SCOT	English (Scotland)	Fiona	Nuance Vocalizer	OK	Yes
EN-US	English (United States)	Ava	Nuance Vocalizer	OK	Yes
EN-US	English (United States)	Nathan	Nuance Vocalizer	OK	Yes

EN-US	English (United States)	Sharon Robotic	Acapela Colibri	OK	Yes
FI	Finnish	Onni	Nuance Vocalizer	OK	Yes
FI	Finnish	Sanna	Acapela	OK	Yes
FI	Finnish	Sanna Robotic	Acapela Colibri	OK	Yes
FI	Finnish	Satu	Nuance Vocalizer	OK	Yes
FR	French	Alice	Acapela	OK	Yes
FR	French	Anais	Acapela	OK	Yes
FR	French	Antoine	Acapela	OK	Yes
FR	French	Audrey	Nuance Vocalizer	OK	Yes
FR	French	Aurelie	Nuance Vocalizer	OK	Yes
FR	French	Bruno	Acapela	OK	Yes
FR	French	Bruno Robotic	Acapela Colibri	OK	Yes
FR	French	Claire	Acapela	OK	Yes
FR	French	Manon	Acapela	OK	Yes
FR	French	Thomas	Nuance Vocalizer	OK	Yes
FR	French (Belgium)	Alice	Acapela	OK	Yes
FR	French (Belgium)	Anais	Acapela	OK	Yes
FR	French (Belgium)	Antoine	Acapela	OK	Yes
FR	French (Belgium)	Bruno	Acapela	OK	Yes
FR	French (Belgium)	Bruno Robotic	Acapela Colibri	OK	Yes
FR	French (Belgium)	Claire	Acapela	OK	Yes
FR	French (Belgium)	Manon	Acapela	OK	Yes
GL	Galician	Carmela	Nuance Vocalizer	OK	
DE	German	Anna	Nuance Vocalizer	OK	Yes
DE	German	Claudia	Acapela	OK	Yes
DE	German	Julia	Acapela	OK	Yes
DE	German	Julia Robotic	Acapela Colibri	OK	Yes
DE	German	Klaus	Acapela	OK	Yes
DE	German	Markus	Nuance	OK	Yes
DE	German	Petra	Nuance Vocalizer	OK	Yes
DE	German	Sarah	Acapela	OK	Yes
DE	German	Viktor	Nuance Vocalizer	OK	Yes
EL	Greek	Melina	Nuance Vocalizer	OK	Yes
EL	Greek	Nikos	Nuance Vocalizer	OK	Yes
HE	Hebrew	Carmit	Nuance Vocalizer	<b>Option</b>	Yes
HR	Croatian	Lana	Nuance Vocalizer	OK	
HU	Hungarian	Mariska	Nuance Vocalizer	OK	
IT	Italian	Paola	Nuance Vocalizer	OK	Yes
IT	Italian	Vittorio	Acapela	OK	Yes
NO	Norwegian	Bente	Acapela	OK	Yes
NO	Norwegian	Henrik	Nuance Vocalizer	OK	Yes
NO	Norwegian	Kari	Acapela	OK	Yes
NO	Norwegian	Nora	Nuance Vocalizer	OK	Yes
NO	Norwegian	Olav	Acapela	OK	Yes
NO	Norwegian	Olav Robotic	Acapela Colibri	OK	Yes
PL	Polish	Ania	Acapela	OK	Yes

PL	Polish	Krzysztof	Nuance Vocalizer	OK	Yes
PT	Portuguese (Portugal)	Celia	Acapela	OK	Yes
PT	Portuguese (Portugal)	Catarina	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Felipe	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Fernanda	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Luciana	Nuance Vocalizer	OK	Yes
PT	Portuguese (Brazil)	Marcia	Acapela	OK	Yes
RO	Romanian	Ioana	Nuance Vocalizer	OK	
RU	Russian	Alyona	Acapela	OK	
RU	Russian	Katya	Nuance Vocalizer	OK	
SK	Slovak	Laura	Nuance Vocalizer	OK	Yes
ES	Spanish	Antonia	Acapela	OK	Yes
ES	Spanish	Marisol	Nuance Vocalizer	OK	Yes
ES-MX	Spanish (Mexico)	Paulina	Nuance Vocalizer	OK	Yes
SE	Swedish	Elin	Acapela	OK	Yes
SE	Swedish	Emil	Acapela	OK	Yes
SE	Swedish	Klara	Nuance Vocalizer	OK	Yes
SE-FI	Swedish (Finland)	Samuel	Acapela	OK	Yes
TR	Turkish	Ipek	Acapela	OK	Yes
TR	Turkish	Yelda	Nuance Vocalizer	OK	Yes

### ***Optional Arabic and Hebrew language pack***

The EasyReader has an optional language pack for Arabic and Hebrew.

The machine uses a different OCR engine. OCR times are slightly increased with the language pack.

The language pack adds Arabic and Hebrew next to the other EasyReader languages.

### ***How to change language and voice settings***

Press on both volume buttons for around 10 seconds. You then enter the menu. This menu consists of four steps.

- **Step 1:** Set the language for the operating buttons or user interface. Your mother tongue is the right choice for this. You select a language or voice with the arrow keys. By pressing on an arrow key for a while you go to the next step.
- **Step 2:** Set the voice for the operating buttons. You can only choose from the voices of the language that you selected in step 1. You select a voice with the arrow keys. By pressing on an arrow key for a while you go to the next step.
- **Step 3:** Select extra reading voices. These are the languages and their voices that can be selected for reading out. You can select other languages or voices by pressing the arrow keys. In order to activate or deactivate a voice, press the square scan key. To confirm your choice, press on an arrow key for a while.
- **Step 4:** Now you come to the menu to adjust the brightness of the operating buttons. You adjust the brightness with the arrow buttons. To leave the menu press an arrow key for a while.

## Camera

The camera is extremely useful when people still have some sight left. With the camera it is possible to indicate what you want to read on a page. It is also faster, but less accurate than the camera.

A scanner is still the best way to read text, because light and shade have no impact, hefty books can easily be pressed down and the page is always ideally positioned because the scanner edges are perfectly perceptible. Moreover, the scanner offers the highest possible resolution, allowing perfect reading of medicine information leaflets.



### Items

- Document camera;
- USB cable to connect the camera;
- Page position accessory;
- Navigation block;
- 10 additional stickers with blue circle.

### Installation

1. Place the document scanner in the page position accessory. Ensure that the legs of the accessory point in the same direction as the unfolded camera;
2. Connect the USB cable;
3. The reader reports that a camera is connected. The camera now replaces the scanner.

When the camera is connected, the scanner has no function. When you want to use the scanner again, it is necessary to disconnect the camera.

### Navigation modes

Spelling and reading page by page aren't accessible when the blue circle is in sight of the camera.

### Navigation block and stickers

You will receive a navigation block with a blue circle on top. You will also receive 10 additional stickers to use on other materials or when you lost your navigation block.

## Storage Keyboard

An optional storage keyboard is available to save your scanned text on the hard disk, MP3 player, or USB stick. You will get a MP3-player with the keyboard.

The advantage of the keyboard is that you can save but also can read the texts you saved again.



### Items

- Keyboard
- USB cable
- MP3-player

### Storage capacity

The storage capacity is measured in pages. The EasyReader can scan maximum 50 pages in its current memory. When scanning page 51, the machine will ask if you want to continue and erase the previous pages.

This means that each position of the keyboard can contain 50 pages. There are 99 available positions per media, so a maximum of 4950 pages can be save per media.

- Hard Disk: limit 4950 pages
- USB stick: limit of 4950 pages per USB stick, number of USB sticks are unlimited
- MP3 player: limit of 4950 pages per USB stick, number of USB sticks are unlimited

### Format

- **USB stick: TXT-file**
  - Positions are saved in folders
    - (ER\_0002 = position 2)
  - Pages are saved as:
    - TXT-files
      - (ER\_0002\_P01.txt = page 1 on position 2)
      - (ER\_0002\_P02.txt = page 2 on position 2)
  - All pages from one positions are merged in one TXT-file and XML-file
    - (ER\_0002.txt and ER\_0002.xml)
- **MP3 player: MP3-file and TXT-file**
  - Positions are saved in folders
    - (ER\_0002 = position 2)
  - Pages are saved as:
    - TXT-files
      - (ER\_0002\_P01.txt = page 1 on position 2)
      - (ER\_0002\_P02.txt = page 2 on position 2)

- MP3-files
  - (ER\_0002\_P01.mp3 = page 1 on position 2)
  - (ER\_0002\_P02.mp3 = page 2 on position 2)
- All pages from one positions are merged in one TXT-file and XML-file (ER\_0002.txt and ER\_0002.xml)

### ***Saving***

---

The EasyReader will save the current memory under the position. The current memory is all the page you have scanned from the point where you turned on the machine.

### ***Erase current memory***

---

It is possible to erase the current memory of the EasyReader by pressing the up and down arrow keys of the cross at the same time for a while. This possibility gives you a way to manage your saved pages.

### ***Adding pages to a position***

---

The best way to add pages is by first erasing the current memory, so you are sure the memory doesn't contain any pages.

1. Press the up and down arrow keys of the cross at the same time for a while.
2. Afterwards load the position to the memory of the machine.
3. Scan a new page. The page is added to the memory.
4. Now save the current memory to the position.
5. You added your page.

---

# Text Recognition

---

There are 2 ways to do your text recognition:

1. With column detection;
2. Without column detection.

## ***Text recognition with column detection***

---

With a short press on the scan button, the EasyReader read the text with column recognition. This is the best way to read most documents.

## ***Text recognition without column detection***

---

With a long press on the scan button, the EasyReader read the text without column recognition. The text is read from left to right even over different columns. This could be useful for reading invoices and bank receipts.



---

## Page Orientation

---

The EasyReader has the possibility to say the page orientation of the last scanned page.  
The page orientation works when using the scanner and the camera.

### ***Hotkey***

---

Press long on the “Bottom Key” of the navigation cross.

---

## Pitch Control

---

The EasyReader has pitch control for the Nuance Vocalizer voices. It is possible to select higher or lower tones.

### ***Voices***

---

The EasyReader sounds a beep when using the pitch control on voices where pitch isn't available.

### ***Hot key***

---

Higher tones: press long on the upper speed button  
Lower tones: press long on the bottom speed button

---

## Save to USB-stick without storage keyboard

---

It is possible to save all the pages of the current memory on a USB-stick. This functions works without having the optional storage keyboard.

1. Connect a USB-stick to the EasyReader.
2. EasyReader will ask you if you would like to save all the pages from the current memory on the USB-stick.
3. Press the scan button to confirm.
4. Done.

### **Format**

---

EasyReader will save the pages in a directory with following files:

- TXT (text file)
  - o Each page serperatly
    - (ER\_1000\_P01.txt = page 1)
    - (ER\_1000\_P02.txt = page 2)
  - o All pages are also merged into one TXT-file
    - (ER\_1000.txt)
  - o
- MP3 (sound file)
- JPEG (image)

---

# PDF reading

---

## *How it works*

---

1. Connect a USB-stick to the EasyReader.
2. When the machine has pages into its current memory, the EasyReader will ask you if you want to save the pages of the current memory on the USB stick.
3. Don't press the scan button (this will start saving) but press another key to confirming PDF reading.
4. The machine will ask if you want to open PDF files from a the list of all the PDF files it has found on the USB stick (alphabetic order)
5. Press the scan button to open your desired PDF file. If you press another button, it will ask you if you would like to open another PDF file or terminate PDF reading when the list is finished.

## *Files*

---

EasyReader will generate a list of all PDF files from the USB stick. PDF files in directories and subdirectories are also listed. EasyReader sorts the PDF files alphabetically.

## *Text recognition*

---

EasyReader does text recognition depending of text available in the file.

- PDF file without text (images with text, scans, ....)
  - o EasyReader recognises the text and start reading.
- PDF file with editable text
  - o EasyReader doesn't do text recognition but starts reading the text from the PDF-file itself.

# Braille Output

It is possible to connect a braille displays via USB. All text and user interface messages are displayed on the braille display. The unit is fully operational for the deaf-blind.

## Functions

**1. Braille text**

Displays the read out text in braille on the display. The display refreshes simultaneously with speech. Speech is in control of refreshing the display.

**2. Panning with buttons on braille display**

Pan braille windows left and right. The reading aloud pauses during panning. Reading aloud starts back from the last spoken position.

**3. Pause and start with buttons on braille display**

Possibility to pause and start the read out.

Pause: left buttons

Start: right buttons

**4. Messages (strings)**

The device displays all the user interface messages on the braille display. User interface messages have a full 8-dot braille cell upfront.

## Compatibility function 1+2+3+4

Alva	40/640/680 (tested: Akva 640)
BAUM	All displays (tested: VarioConnect, VarioUltra, VarioPro, Pronto)
EuroBraille	All displays (tested: Esys 40)
Freedom Scientific	All displays (tested: Focus 40 blue)
Handy Tech	All displays (tested: Actilino, Active Braille, Basic Braille, Active Star, Easy Braille) <b>Connect the braille display when the machine is ready for use!</b>
HIMS	All displays (tested: SmartBeetle)
OrbitReader	Orbit 20
Papenmeier	All displays (tested: BRAILLEX Live)
Seika	All displays (tested: 5)

## Brailletable

The brailletable depends on the language of the user interface.

**Attention:**

- The braille table is set to French when the machine starts for the first time in the language menu. Especially languages different character set than Latin, can't be read.
- After setting the language of the user interface in the language menu, the braille table will be set to the corresponding user interface language when passing to step 2.
- The braille table doesn't depend on the language of the voice. It depends on the user interface language.

To read both English and Arabic for example, the user needs to change the user interface language.

### ***Compatibility (only function 1)***

---

Pay attention that the list below only shows braille text on the display. It isn't possible to pan, pause and start with the buttons of the braille display.

Albatross

- 46/80

Alva

- ABT (3nn)
- Delphi (4nn)
- Satellite (5nn)
- Braille System 40
- Braille Controller 640/680

B2G

Baum

- BrailleConnect 12/24/32/40/64/.80
- Brailliant 24/32/40/64/.80
- Conny 12
- DM80 Plus
- EcoVario 24/32/40/64/.80
- Inka
- Orbit 20
- PocketVario 24
- Pronto! V3 18/40
- Pronto! V4 18/40
- RBT 40/80
- Refreshbraille 18
- SuperVario 24/32/40/64/.80
- Vario 40/80
- VarioConnect 12/24/32/40/64/.80
- VarioPro 40/64/80
- VarioUltra 20/32/40

BrailComm

- III

BRAILLELITE

- 18/40
- M20/M40

BrailleMemo

- Pocket (16)
- Smart (16)
- 32
- 40

BrailleNote

- 18/32
- Apex

Braudi

BriAPI

Cebra

- 20/40/60/80/100/120/140

CombiBraille

- 25/45/85

## EcoBraille

- 20/40/80

## EuroBraille

- AzerBraille
- Clio
- Esys
- Iris
- NoteBraille
- Scriba

## FreedomScientific

- Focus 1 44/70/84
- Focus 2 40/80
- Focus Blue 14/40/80
- PAC Mate 20/40

## HandyTech

- Modular 20/40/80
- Modular Evolution 64/88
- Modular Connect 88
- Active Braille
- Active Star 40
- Actilino
- Basic Braille 16/20/32/40/48/64/80
- Braillino
- Braille Wave
- Easy Braille
- Braille Star 40/80
- Connect Braille 40
- Bookworm

## Hedo

- ProfiLine
- MobiLine

## HIMS

- Braille Sense
- SyncBraille
- Braille Edge
- Smart Beetle

## HumanWare

- Brailliant BI 14/32/40
- Brailliant B 80
- BrailleNote Touch

## Inceptor

- BrailleMe

## Iris

## Libbraille

## LogText

- 32

## MDV

- MB208
- MB248
- MB408L
- MB408L+
- Lilli Blu

## Metec

- BD-40

## MiniBraille

- 20
- MultiBraille
  - MB125CR
  - MB145CR
  - MB185CR
- NinePoint
- Papenmeier
  - Compact 486
  - Compact/Tiny
  - IB 80 CR Soft
  - 2D Lite (plus)
  - 2D Screen Soft
  - EL 80
  - EL 2D 40/66/80
  - EL 40/66/70/80 S
  - EL 40/60/80 C
  - EL 2D 80 S
  - EL 40 P
  - EL 80 II
  - Elba 20/32
  - Trio 40/Elba20/Elba32
  - Live 20/40
- Pegasus
  - 20/27/40/80
- Seika
  - 3/4/5 (40)
  - 80
  - Mini (16)
- TechniBraille
- TSI
  - Navigator 20/40/80
  - PowerBraille 40/65/80
- TTY
- VideoBraille
  - 40
- Virtual
- VisioBraille
  - 20/40
- Voyager
  - 44/70
  - Part232 (serial adapter)
  - BraillePen/EasyLink
- XWindow