

■ Notice

- ⚠ Do not plug in together with other several plugs at once.
The fire can be caused from overheating.
- ⚠ Do not bend a plug by Forces, and do not put any heavy article on a plug.
It can cause the fault of operation owing to inferior power, and the fire can be caused from short circuit.
- ⚠ Do not touch a plug with wet hand.
It can cause electric shock.
- ⚠ Plug in certainly to prevent a plug from being shaken.
If the connection is not completed, the firece can be caused from overheating.
- ⚠ Do not assemble or remodel the main body of LED Sign Board.
It can cause the danger of fire, electric shock, and injury owing to wrong operation.
- ⚠ If there is smoke or strange smell from the product, stop using this product immediately, power off, plug out, and then call to service center. It can cause the fire.
- ⚠ Do not give any shock to product or drop this during the carriage.
It can cause the defect.
- ⚠ Fix the product firmly not to be dropped.
If the product falls off, it can cause defect and damage.
- ⚠ Keep this product away from vibration or magnet.
It can cause the defect.
- ⚠ Do not disassemble a remote control.
It can cause the defect.

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■ Before Use

◆ Features of Product

- ▶ Free adjustment of SIZE
1 column 6 lines basis, Module can be reduced and expanded by request of customers.
- ▶ More than 4 times Brighter
Brightness is increased by adopting 1/8 Duty Way
- ▶ Water-proof (Outdoor)
Water-proof using special silicon coating
- ▶ Convenient adjustment of remote control
It is possible to conveniently adjust remote control by adopting the same way as mobile phone.
- ▶ Auto Electric Signboard ON/OFF
Turn On/Off electric signal board by setting service time with Start/End/Reserve function
- ▶ Display of Date/Time
Various graphic effects of TIME/DATE can be displayed with Watch Chip built in LED Sign Board, and Event Period can be displayed more effectively by adding D-Day as well.
- ▶ Each character can express 23 separate effects
- ▶ Special effects more than 100 kinds
It is possible to realize various expression that cannot be realized with previous product.
- ▶ Multi- languages
English / Japanese / Chinese/ Russian/ Portuguese(F1) / French(F2) / Spanish(F2) / Polish(F3) / German(F3)/ Hungarian(F4)/ Czech(F4)
- ▶ Ad. Append
Text / English zLine/ Image/ Move /Animation/Date/ Time/ D-Day /D-Time/ Temp

■ Name and Function of Remote Control Buttons



Power button is used to Power On/OFF

Menu button is used to activate the control function of LED Sign Board.

COL button is used to change color of character

Width button is used to adjust the size of character.

Attribute button is used to give effect to character

Font button is used to change font

KOR button is used to input Korean characters

ENG button is used to input English capitals

eng button is used to input English small letters

NUM button is used to input numbers

Delete button is used to delete previous character

Space button is used to add blank

Effect button is used to select various kinds of effect or menu

Speed button is used to adjust the speed of each effect

OK button is used to select function

Light button is used to give light effect when input wait effect

ESC button is used to cancel the input of function and character

Copy button is used to copy existing Ads

DEMO button is used to demo several effects

(Multiple LED Sign Board:character size expansion)

Neon button is used to add neon effect

Fix button is used to fit all text on the screen as same size

SPE_Move button is used to input special characters & move icon

Icon,SYM button is used to input stop icon & symbols

あ,ア button is used to input Japanese Hirakana & Katakana

CHI button is used to input Chinese characters

LANG button is used to input English& Symbol, Russian.

F1 Button is used to input Portuguese

F2 Button is used to input French /Spanish

F3 Button is used to input Polish /German

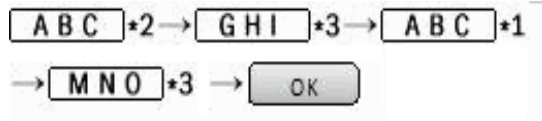
F4 Button is used to input Hungarian/ Czech

■ Before Use 2

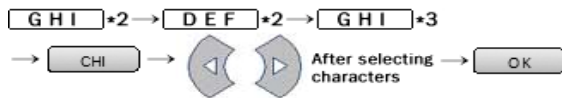
◆ How to input characters with remote control

(Menu --> ADD. String --> ADD. TEXT)

▶ When inputting "BICO"



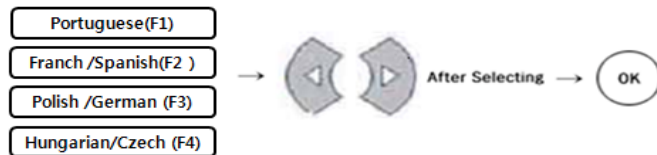
▶ When inputting "黒"



▶ When inputting Japanese Hirakana & Katakana



▶ When inputting European language (F1 F2 F3 F4 Key)



▶ When inputting English& Symbol, Russian.



▶ When inputting Special Characters and Icon



▶ When inputting Move ICON and Symbol Characters



▶ When changes color& attribute of character



▶ When changes Width & Font of character



▶ When setting Neon effect



▶ When you want to see all of the inputted Ads. character to fit on the screen size.



◆ Menu List

1: AD.APPEND

①ADD.STRING ②Add.ENG-2L ③ADD.IMAGE ④ADD.MOVIE ⑤ADD.ANIMA
⑥ADD.DATE ⑦ADD.TIME ⑧ADD.D-DAY ⑨Add. D-Time ⑩Add.TEMP

2: AD.RESERVE

3: AD.MODIFY

4: AD.INSERT

5: AD.DELETE

①DEL.ONE ②DEL.ALL

6:ST.TIME

①ST.DATE ②ST.TIME
③ON TIME ④OFF TIME

7:ST.PROD

①POWER(X)
②BEEP(O)
③DIRECTION(HORIZONTAL)
④PASSWORD(X)
⑤BRIGHTNESS

1. AD.APPEND

①ADD.STRING

- ▶ Push the button "Menu" on remote control.
- ▶ When the message "1.AD.APPEND" is on screen, push the button "OK".
- ▶ When the message "①ADD.STRING" is on screen, push the button "OK".
- ▶ When the message "①ADD.STRING" is displayed and then disappeared, cursor flickers on the left side.
- ▶ After adding desirable advertisement, move a cursor to relevant character with the button "Left/Right", and then push the button "Color", "Width", "Effect", and "Font" to embody various fonts and attributes.
- ▶ When advertisement text is input, push the button "OK", the message "SEL.START EFFECT" is displayed and disappeared.
 - ※ What is START EFFECT? The effect when the advertisement text is initially displayed.
- ▶ The message "01:Eff.Auto" is on screen. Push the button "Up/Down", and then the menu "02:Eff.Anim 03:Eff.View 04:Eff.Scroll 05:Eff.Wave 06:Eff.Zoom 07:Eff.Color 08:Eff.Twist 09:Eff.None" is displayed on screen, and user can select one menu with the button "OK".
- ▶ Select desirable START EFFECT with the button "OK" to preview designated effect.
In the state of preview, push the button "Up/Down" to modify the direction or type of effect, and push the button "Left/Right" to modify the speed of effect.
Push the button "OK" again to save START EFFECT after selecting desirable effect
(Push the button "CANCEL" to go back to previous menu after selecting effect).

※ On the basis of 1 column 6 lines, when advertisement text exceeds 6 characters, it will be displayed with being scrolled to the left after the setting is displayed.
In the state of preview, push the button "NEON" to input "Neon Effect" when adding String, and NEON EFFECT is expressed. Push the button "Up/Down" continuously, and NEON effect is expressed in various forms.

- ▶ When START EFFECT is set, the message "SEL. WAIT EFFECT" is displayed, and then disappeared.

※ What is WAIT EFFECT? The effect is displayed for the fixed time at a standstill while advertisement is being fixed on screen after START EFFECT is finished.

- ▶ After the message "SEL. WAIT EFFECT" is disappeared, the message "①Eff.Auto" is on screen. Push the button "Up/Down" to select "①Eff.Auto ②Eff.Anim ③Eff.View ④Eff.Wave ⑤Eff.Zoom ⑥Eff.Color ⑦Eff.Twist ⑧Eff.None".
- ▶ Select WAIT EFFECT to preview. In the state of preview, push the button "Up/Down" to modify the direction or type of effect, and push the button "Left/Right" to modify the speed of effect. After deciding desirable effect, push the button "OK" again to save WAIT EFFECT.
- ▶ When WAIT EFFECT is set, the message "WAIT TIME [03]" is on screen. WAIT TIME can be set in seconds from 01 to 99, and [03] means 3 seconds. Set WAIT TIME, and push the button "OK" to save WAIT TIME.
- ▶ When the message "SEL.END EFFECT" is displayed and then disappeared, the message "①Eff.Auto" is on screen. Push the button "Up/Down" to select "①Eff.Auto ②Eff.Anim ③Eff.View ④Eff.Scroll ⑤Eff.wave ⑥Eff.Zoom ⑦Eff.Color ⑧Eff.Twist ⑨Eff.None".
- ▶ Select END EFFECT to preview. In the state of preview, push the button "Up/Down" to modify the direction or type of effect, and push the button "Left/Right" to modify the speed of effect. After deciding desirable effect, push the button "OK" again, and the message "COMPLETE" is displayed and then disappeared, adding text is completed, and the message "①AD.APPEND" is on screen again. Repeat the process above to add text continuously, and push the button "CANCEL" or "MENU" to complete.

②ADD.ENG-2L

- ▶ Push the button "Menu" on remote control.
- ▶ When the message "1.AD.APPEND" is on screen, push the button "OK".
- ▶ When the message "②ADD.ENG-2L", push the button "OK".
- ▶ Input in the same way as "①ADD.STRING".

③ADD.IMAGE

- ▶ Push the button "Menu" on remote control.
- ▶ When the message "1.AD.APPEND" is on screen, push the button "OK".
- ▶ When the message "③Add.Image", push the button "OK".
- ▶ Input in the same way as "①ADD.STRING".

④MOVIE, ⑤ANIMATION

- ▶ Push the button "Menu" on remote control.
- ▶ When the message "1:AD.APPEND" is on screen, push the button "OK".
- ▶ When the message "④MOVIE" is on screen, push the button "OK".
- ▶ Input in the same way as "①ADD.STRING".

⑥ADD.DATE

- ▶ Push the button "Menu" on remote control.
- ▶ When the message "1.AD.APPEND" is on screen, push the button "OK".
- ▶ When the message "⑥Add.Date" is on screen, push the button "OK".
- ▶ Input in the same way as "①ADD.STRING".

⑦ADD.TIME

- ▶ Push the button "Menu" on remote control.
- ▶ When the message "1.AD.APPEND" is on screen, push the button "OK".
- ▶ When the message "⑦Add.Time" is on screen, push the button "OK".
- ▶ Input in the same way as "①ADD.STRING".

■ HOW TO USE MENU FUNCTION 3

⑨D-DAY

- ▶ **⑥ADD.DATE** and should be implemented before **ADD.D-Day**.
- ▶ Push the button "**Menu**" on remote control.
- ▶ When the message "**1.AD.APPEND**" is on screen, push the button "**OK**".
- ▶ When the message "**09/03/03**" is on screen, move a cursor to Y/M/D with the button "**Left/Right**", and then set Y/M/D with the button "**Up/Down**". Push the button "**OK**" after setting, and the message "**Complete**" is displayed for a little while, and then disappeared, then the message "**ADD.D-DAY**" is displayed. When a cursor flickers on the right side, and D-0 is on screen, input D-DAY, and push the button "**OK**" to save D-DAY.
- ▶ The color, Attribute and Font effect of "**D-0**" can be modified with the button "**Color, Attribute, Font**".
- ▶ The Width effect of "**D-0**" can be modified with the button "**Width**".

⑩Add. D-Time

- ▶ **⑦ADD.TIME** should be implemented before **ADD.D-Time**
- ▶ Push the button "**Menu**" on remote control.
- ▶ When the message "**1.AD.APPEND**" is on screen, push the button "**OK**".
- ▶ Input in the same way as "**⑥D-DAY**".
- ▶ Same as character effect "**D-0**"

⑩Add.TEMP

- ▶ **Temperature sensors** should be connected before **Add.TEMP**
- ▶ Push the button "**Menu**" on remote control.
- ▶ When the message "**1.AD.APPEND**" is on screen, push the button "**OK**".
- ▶ Input in the same way as "**⑥D-DAY**".
- ▶ Same as character effect "**D-0**"

2. AD.RESERVE

This function is to express added text at the designated time.

- ※ The saved reservation is expressed at the designated time everyday.
- ※ The expression of saved reservation can be set in MAIN MENU "**4.AD.LIST**".

①RSV.Event

- ▶ Push the button "**Menu**" on remote control.
- ▶ When the message "**1:AD.APPEND**" is on screen, select "**AD.RESERVE**" with the button "**Up/Down**", and then push the button "**OK**". Then when the message "**①RSV.Event**" is on screen, push the button "**OK**", and then when the message "**ADD.TEXT**" is on screen, push the button "**OK**" after adding text, and input in the same way as "**①ADD.TEXT**".

②RSV.Time

- ▶ Push the button "**Menu**" on remote control.
- ▶ When the message "**1:AD.APPEND**" is on screen, select AD.RESERVE with the button "**Up/Down**", and then push the button "**OK**". Then when the message "**①RSV.Event**" is on screen, push the button "**OK**".
- ▶ Push the button "**OK**" after selecting desirable event from Event List inserted "**①RSV.Event**", and then input On Time and Off Time of Event in order.
- ※ When you put your desired Event key number during the Ad displaying, it will display correspond Event right away.

3. AD.MODIFY

This function is to modify the previously saved TEXT/DATE/TIME/D-DAY/EVENT.

- ▶ Push the button "**Menu**" on remote control.
- ▶ When the message "**1.AD.APPEND**" is on screen, select "**3.AD.MODIFY**" with the button "**Up/Down**", and then push the button "**OK**".
- ▶ Previously saved TEXT/DATE/TIME/D-DAY/EVENT are displayed in the form of "**01.CONTENT**".
- ▶ Select desirable text to modify with the button "**Up/Down**", and then push the button "**OK**".
- ▶ After modifying advertisement, push the button "**OK**" to set START EFFECT/WAIT EFFECT/END EFFECT again in the same way as "**AD.APPEND**".

■ HOW TO USE MENU FUNCTION 4

- ▶ After modifying advertisement, push the button "OK" to set **START EFFECT/WAIT EFFECT/END EFFECT** again in the same way as "AD.APPEND".

※ Multiple LED Sign Board case, you can select Ad fix keys 1, 2, 3, 4 on Remote Controller and modify the Ads (same as above method). After that please push "OK" button.

4. AD.LIST

This function is to select the expression of the saved advertisement such as TEXT/DATE/TIME/D-DAY/EVENT. O: ON / X: OFF

- ▶ Push the button "Menu" on remote control.
- ▶ When the message "1.AD.APPEND" is on screen, select "3.AD.MODIFY" with the button "Up/Down", and then push the button "OK".
- ▶ Previously saved TEXT/DATE/TIME/D-DAY/EVENT are displayed in the form of "01.CONTENT".
- ▶ Select desirable text to modify with the button "Up/Down", and then push the button "OK".
- ▶ Push the button "Left/Right" to express the selected advertisement.

5. AD.INSERT

This function is to add new advertisement between the previously saved TEXT/DATE/TIME/ D-DAY/EVENT.

- ▶ Push the button "Menu" on remote control.
- ▶ When the message "1.AD.APPEND" is on screen, select "4.AD.INSERT" with the button "Up/Down", and then push the button "OK".
- ▶ Previously saved TEXT/DATE/TIME/D-DAY/EVENT are displayed in the form of "01.CONTENT".
- ▶ Push the button "Up/Down" to decide the desirable position of advertisement, and then push the button "OK".
 - ※ For example, push the button "OK" in No.2 to insert new TEXT between advertisement No.1 and No.2. At this point, push "Copy" button and next "OK" button will copy existing Ads.
- ▶ Then input in the same way as "④ADD.TEXT".

6. AD.DELETE

This function is to delete the previously saved TEXT/DATE/TIME/D-DAY/EVENT partially or entirely. ※ Caution: Deleted advertisement cannot be restored. Please, check before deleting advertisement.

①DELETE ONE

- ▶ Push the button "Menu" on remote control.
- ▶ When the message "1.AD.APPEND" is on screen, select "5.AD.DELETE" with the button "Up/Down", and then push the button "OK".
- ▶ When the message "①DEL.ONE" is on screen, push the button "OK" immediately, and the message "01:CONTENT" is on screen.
- ▶ Push the button "Up/Down" to decide the position of desirable advertisement to delete, and then push the button "OK" to delete the relevant advertisement.

②DEL.ALL

⚡Caution: All the saved advertisements are deleted.

- ▶ Push the button "Menu" on remote control.
- ▶ When the message "1.AD.APPEND" is on screen, select "5.AD.DELETE" with the button "Up/Down", and then push the button "OK".
- ▶ When the message "②Del.All" is on screen, push the button "Up/Down" to select "②Del.All", then push the button "OK" immediately, and the message "DELETE?(Y/N)" is on screen. Then push the button "OK" to delete all the advertisements, and the message "COMPLETE" is on screen.

7. ST.TIME

This function is to display DATE/TIME, and set ON TIME/OFF TIME.

①ST.DATE

- ▶ Push the button "Menu" on remote control.
- ▶ When the message "1.AD.APPEND" is on screen, select "6.ST.TIME" with the button "Up/Down", and then push the button "OK".
- ▶ When the message "①ST.DATE" is on screen, push the button "OK", and present date is displayed.
- ▶ When the present date, for example "09/03/03", is on screen, move a cursor to Y/M/D with the button "Left/Right", and then push the button "Up/Down" to set desirable date to modify.
- ▶ After setting date, push the button "OK" to save new date, and the message "COMPLETE" is on screen.

②ST.TIME

- ▶ Push the button "Menu" on remote control.
- ▶ When the message "1.AD.APPEND" is on screen, select "6.ST.TIME" with the button "Up/Down", and then push the button "OK".
- ▶ When the message "①ST.DATE" is on screen, push the button "Up/Down" to select "②ST.TIME", then push the button "OK", and the present time is on screen, for example "10:01:10".
- ▶ Move a cursor to HOUR/MINUTE/SECOND with the button "Left/Right", and then push the button "Up/Down" to set desirable time.
- ▶ After setting time, push the button "OK" to save new date, and the message "COMPLETE" is on screen.

③ON TIME/④OFF TIME

- ▶ Push the button "Menu" on remote control.
- ▶ When the message "1.AD.APPEND" is on screen, select "6.ST.TIME" with the button "Up/Down", and then push the button "OK".
- ▶ When the message "①ST.DATE" is on screen, push the button "Up/Down" to select "③ON TIME/④OFF TIME", and then push the button "OK".
- ▶ When the present time is on screen, move a cursor to AM/PM, HOUR, MINUTE with the button "Left/Right", and then push the button "Up/Down" to set desirable time.
- ▶ After setting time, push the button "OK" to set ON TIME/OFF TIME, and the message "COMPLETE" is on screen.
- ▶ With this function, it is possible to turn LED Sign Board ON/OFF for desirable time.

8. ST.PRODUCT

This function is used to turn ON/OFF power, beep, direction, password, brightness, e

- ▶ Push the button "Menu" on remote control.
- ▶ When the message "1.AD.APPEND" is on screen, select "7.ST.PROD" with the button "Up/Down", then push the button "OK", and the message "①ResvX" is on screen.
- ▶ Push the button "Up/Down" to select ①POWER ②BEEP ③DIRECTION ④PASSWORD ⑤BRIGHTNESS, then push the button "OK", and the relevant function is changed to O/X.
(O: On, X: Off)
- ▶ When option setting is completed, push the button "CANCEL".

①ST.POWER means the operation condition after setting ON TIME/OFF TIME.
(O: On, X: Off)

②BEEP means the sound made when pushing the button of remote control.
(O: On, X: Off)

③DIRECTION is the function to change the direction of LED Sign Board.
(Horizontal, Vertical)

※ But, when you changing LED Sign Board Ads. direction it will remove existing Ads.

④PASSWORD is to prevent advertisement from being modified by other person at random.
(O: On, X: Off)

⑤Brightness is LED Sign Board brightness setup function for day or night.
(Level 1~10)

■ KIND OF EFFECT

◆ KIND OF START EFFECT

- ① Eff.Auto Display effect automatically without any appointment
- ② Eff.Anim Various animation effects
- ③ Eff.View Display characters directly on screen in several types
- ④ Eff.Scroll Scroll in order of left/right/up/down
- ⑤ Eff.Wave Wave left/right/up/down
- ⑥ Eff.Zoom Zoom characters in several directions
- ⑦ Eff.Color Separate/Mix characters according to color
- ⑧ Eff.Twist Display characters in twisted shape
- ⑨ Eff.None Display without any effect

◆ KIND OF WAIT EFFECT

- ① Eff.Auto Display effect automatically without any appointment
- ② Eff.Anim Various animation effects
- ③ Eff.View Display characters directly on screen in several types
- ④ Eff.Wave Wave left/right/up/down
- ⑤ Eff.Zoom Zoom characters in several directions
- ⑥ Eff.Color Separate/Mix characters according to color
- ⑦ Eff.Twist Display characters in twisted shape
- ⑧ Eff.None Display without any effect

◆ KIND OF END EFFECT

- ① Eff.Auto Display effect automatically without any appointment
- ② Eff.Anim Various animation effects
- ③ Eff.View Display characters directly on screen in several types
- ④ Eff.Scroll Scroll in order of left/right/up/down
- ⑤ Eff.Wave Wave left/right/up/down
- ⑥ Eff.Zoom Zoom characters in several directions
- ⑦ Eff.Color Separate/Mix characters according to color
- ⑧ Eff.Twist Display characters in twisted shape
- ⑨ Eff.None Display without any effect

◆ REPAIR & INSPECTION

1. When Power of electric signal board cannot be on
- 1) check if the plug is in an outlet.
 - 2) Please, plug out from an outlet, and then plug in again 10 seconds later.
- ※ If it does not work after following procedure above 3 times, please request A/S.
2. When a remote control is not working
- 1) Use a remote control in accurate position, because the responsor is in the middle on the right side of LED Sign Board.



- 2) Check if the battery is in remote control, and it is used for too long time.
- 3) If there is any defect, please request A/S.

◆ Standard and Option of Product

PRODUCT NAME	LED Sign Board(Remote Control & PC Type)
ENVIRONMENT	Indoor/Outdoor
LUMINOUS COLOR	Single color(Red, Yellow)
	3-Color(Red/Green/Yellow, Blue)
EXTERNAL COLOR OF PRODUCT	Black
	Silver
COMMUNICATION	Infrared remote control/ PC
RATED INPUT VOLTAGE	AC85-250V
	/ 50 / 60Hz, DC12V/ 24V, 2M(for car)
POWER CONSUMPTION	Average power consumption 20W/ Max. 40W(Single color)
	Average power consumption 40W/ Max. 80W(3-color)
CAPACITY OF MEMORY	Maximum 99 Texts in English can be input
	Maximum 50ea Items input
POWER CORD	AC 100-110V / 220V-240V

■ APPENDIX(2)

◆ Special character input(Symbol, ICON, Language)

① Special Characters (**SPE** Button)

/ 0 1 2 3 4 5 6 7 8 9 ! ~ ¥ \$ % £ ¢ ¥ % № Ca™ a.m.p. Tel ° C Å ¢ ° F % A B Γ Δ Ε Ζ Η Θ
 Ι Κ Λ Μ Ν Ξ Ο Π Ρ Σ Τ Υ Φ Χ Ψ Ω α β γ δ ε ζ η θ ι κ λ μ ν ξ ο π ρ σ τ υ φ χ ψ ω
 i i i i i v v v i v i i i i x x i I I I I I V V V I V I I I I I X X μ mℓ dl ℓ kl cc mm' cm' m' km' μm mm' cm' m' μs
 cal kcal ms mls μs μV pA pA pW nW μW kHz Mhz Gtz Ttz Q QΩ pF nF μF mol cd rad rad/s rad/s kPa MPa GPa Bq Gy

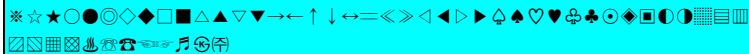
② Move ICON (Move Button) : 200 ea Over

Move ICON is composed of 4 frames.



2~6 ICONs are connected according to the kind of ICON.

③ ICON(Icon Button) : 52 ea



④ IBM-ANSI(SYM Button) : 48 ea

! " # \$ % & ' () * + , - . / : ; < = > ? @ [\] ^ _ ` { | } ~ " ;
Some characters cannot be displayed on manual according to the difference in
expressing WINDOW Characters.

⑤ Japanese(あ/ア Button)

ああいううえおおかがきぎうくげここさざじじすずせそぞただちつつで
とどなにぬねのはばびびびふぶへへべほぼまみむめもややゆよよらりるれろ
わわるゑをん
ァィィウゥェェォォカガキギクグケゲコゴサザシジスズセソゾタチッツツツテデ
トナニネノハババビビフブヘベホボホマミメモヤユヨヨラリルレロ
ウウヱエランヴカケ

⑥ Chinese Characters (CHI Button)

This menu is to shift English->Chinese.

- Select Chinese Characters when Chinese List corresponding to the pronunciation of Korean is on screen.
- With Pinyin insert way, select English Characters from List after inserting pronunciation in the same way as Korean.

⑦ English& Symbol, Russian(LANG Button) : 118 ea

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
 0123456789абвгдеёжзийклмнопрстуфхцчшщъ
 ыьэюяабвгдеёжзийклмнопрстуфхцчшщъыьэюя

⑧ Portuguese(**F1** Button)

À , à , Á , á , Â , â , Ã , ã , Ç , ç , É , é , Ê , ê , Í , í , Ó , ó , Ò , ò , Ô , ô , Õ , õ , Ú , ú , Ü , ü

⑨ Franch/Spanish(F2 Button)

A, Ă, A, ă, A, ă, Ă, ă, Ç, ç, E, é, E, é, E, é, E, é, I, í, I, í, I, í, N, ñ, O, ó, O, ó, Œ, œ, U, ù, Ú, ú, Û, û, Ü, ü, Ÿ, ŷ

⑩ Polish /German (F3 Button)

A, a, Ä, ä, Ć, ć, Ę, ę, Ł, ł, Ń, ń, Ó, ó, Ő, ő, Š, š, Ü, ü, Ž, ž, Ž, ž, B

⑪ Hungarian/ Czech (F4 Button)

Á, á, Ā, ā, Ą, ą, Ċ, ċ, Ď, ě, Ě, ě, É, é, Ě, ě, Ĩ, ĩ, Ń, ń, Ō, ō, Ŏ, ȯ, Œ, œ, Š, š, Ţ, ţ, Ú, ú, Ŭ, ŭ, Ů, ů, Ÿ, ý, Ž, ž