you can control the esp32 via bluetooh with several app you can find in the playstore.My advice is using this one : https://play.google.com/store/apps/details?id=nextprototypes.BTSerialController&hl=es_419&gl=US

BlueTooth Serial Controller NEXT PROTOTYPES Contains ads Uninstall Open	FALL THIS APLICATION FROM PLAY STORE
Pair with ESP32_KEYER?	R THE KEYER WITH YOUR MOBILE PHONE BLUETOOTH
Cancel Pair	Choose what to allow BlueTooth Serial Controller to access
BlueTooth Serial Co OPEN THE APP	F THE STORAGE
BlueTooth Serial Controller This app was built for an older version of Android and may not work properly. Try checking for updates or contact the developer. Check for update 0	DON'T WORRY AND PUSH OK BlueTooth Serial Controller Not connected ASCID
Orientation GC C LANDSCAPE PORTRAIT Cancel	TO PREFERENCES/ORIENTATION/PORTRAIT
Viability Button1 GOT TO PREFERE BUTTONS FROM button3 button4 D	ICES/VISIBILITY AND DESELECT TO 9 DESELECT TEXBOX IN PREFERENCES
Letton6 Lutton7 Lutton7 Lutton7 Lutton9 Lut	TextBox send commands from TextBox
Last Command send a special command after closing controller terminal screen	IN PREFERENCES SELECT BUTTON SIZE/BUTTON SIZE Button Size
Button Size	BUTTON SIZE
NewLine Code LF	TEXT SIZE



SELECT TERMINAL LOG

PREFERENCES/SEEKBAR ENABLE SEEKBAR A , B AND C

SeekBar	U + BROWSER
	SEEKBAR A FOR WPM CONTROL
Enable SeekBar A 🛛 🗹	
SeekBar Name WPM	NAME - WPM
Marker ASCII vel	MARKER- vel (lowercase is required)
Marker HEX FF	MARKER HEX FF
Min Value 5	MIN VALUE 5
Max Value (1-255) 50	MAX VALUE 50 (I HAVE LIMITED IT TO 70WPM)

SeekBar B		
Enable SeekBar B	SEEKBAR B F	OR TOUCH SENSITIVITY
SeekBar Name SENS	NAME - SENS	5
Marker ASCII tou	MARKER - to	u (lowercase required)
Marker HEX FF	MARKER HEX	(FF
min Value 0	MIN - O	for no sensitivity
Max Value (1-255) 90	MAX - 90	90 is sometimes too high and triggers without touching (60 is ok)

	SEEKBAR C FO	OR PADDLE DELAY SAMPLE	
Enable SeekBar C 🛛			
SeekBar Name PDELAY	NAME - PDEL	AY	
Marker ASCII pds	MARKER - pd	s	
Marker HEX FF	MARKER HEX	- FF	
min Value 1	MIN - 1	1 means no delay, 50 is the s	tandard and
Max Value (1-255) 90	MAX - 90	90 is too delayed .	



PUSH THE MAGNIFIER TO SELECT THE BLUETOOTH

B3:F0:D9:4C:0B:00 ESP32_KEYER 24:6F:28:A9:DD:82

SELECT ESP32_KEYER. IN CASE YOU WOULDN'T SEE THE DEVICE, PAIR IT WITH YOUR MOBILE BLUETOOTH



THIS IS THE SCREEN AFTER THE SEEKBAR CONFIGURATION



THIS IS ONLY AN EXAMPLE. IT'S UP TO YOU

for cq message

PREFERENCES/BUTTON/NAME



button10 CQ button 10 CQ REP button11 CQ rep button 1 qth button12 button 12 73 button 1 sound button14 button 14 led button15 button 1 learn button 1 straight button17 button 1 reverse button 18 reset button 19 factory button20 factory button 20 stor1 button21 stor1 button 2 stor2 button22 button 22 stor3 button 23

stor2

button24

def

CQ REP	for cq message with
button 11	repetition
qth	for qth message
button 12	
73	73 message
button 13	
sound	sound on/off
button 14	
led	led on/off
button 15	
learn	learn/operate mode
button 16	
straight	straight/paddle mode
button 17	
reverse	reverse paddles for
button 18	lefthanded people
reset	reset
button 19	
factory	factory reset for safe
button 20	preferences
stor1	stores message in
button 21	ptouchbutton 1
stor2	stores message in
button 22	touchbutton 2
stor3	stores message in
button 23	touchbutton 3
tune	send a carrier to
button 24	adjust SWR





bitstori 1 res c0 c0 d0 de ar/hord rep cq cq cq de ea7hvo# repetition message bitstori 1 res c0 c0 d0 de ar/hord res cd is cordoba# res cd is cordoba# bitstori 1 res cd is cordoba# standard message bitstori 1 res cd is cordoba# sou# bitstori 1 res cd is cordoba# MODE STRAIGHT KEY/PADDLE bitstori 1 res cd is cord cd is cordoba# RESET bitstori 2 res cd is cord cd is cordoba# stores a message in touchbutton 1 without repetition (0 stil cord cord ar/hoo0000# stil cord cord cd is cordoba# stores a message in touchbutton 2 with 6 seg repetition stores a message in touchbutton 2 with 0 seg repetition (0 stil cordoba# bitstori 2 res cordoba# stores a message in touchbuttor 3 without repetition (0 stil cordoba# <t< th=""><th></th><th>IN THIS EX</th><th>AMPLE BUTTONS FROM 14</th><th>TO 20 AND 24 A</th><th>RE COMMANDS I</th><th>BUTTON</th><th>S</th><th></th></t<>		IN THIS EX	AMPLE BUTTONS FROM 14	TO 20 AND 24 A	RE COMMANDS I	BUTTON	S	
Lution 10 rep cq cq cq de ea7hvo# repetition message Mution 2 mes qth is cordoba# standard message button 13 mes 73 de ea7hvo# standard message button 14 cordoba# standard message button 15 led# LED ON/OFF button 16 Irn# MODE LEARN/OPERATE button 17 str# MODE STRAIGHT KEY/PADDLE button 19 rev# REVERSE PADDLES FOR LEFTHANDED PEOPLE button 2 res## RESET button 2 ftf# FACTORY RESET FOR FAILSAFE PREFERENCES button 2 st1 cq cq cq de ea7hvo0000# stores a message in touchbutton 1 without repetition (0 button 2 st2 cq cq cq de ea7hvo0000# stores a message in touchbutton 2 with 6 seg repetition button 2 st2 cq cq cq de ea7hvo0000# stores a message in touchbutton 2 with 6 seg repetition (0 st2 qt cq cq cq de ea7hvo0000# stores a message in touchbutton 2 with 6 seg repetition (0 st2 qt cq cq cq de ea7hvo0000# stores a message in touchbutton 3 without repetition (0 st2 qt cq cq cq cq cq cq ca7hvo0000# stores a message in touchbutton 3 without repetition (0 st2 qt cord de as7hvo000# stores a message in touchbutton 3 wi	button10 mes CQ CQ CQ de ea7hvo#	mes cq cq	cq de ea7hvo#	standard m	nessage			
bitton12 ones 73 de est is consolution standard message bitton12 outil SOUND ON/OFF bitton13 ied LED ON/OFF bitton14 led# LED ON/OFF bitton15 ruf# MODE LEARN/OPERATE bitton16 ruf# MODE STRAIGHT KEY/PADULE bitton17 ruf# REVERSE PADULES FOR LEFTHANDED PEOPLE bitton18 ruf# REVERSE PADULES FOR FAILS bitton21 ruf# RESET bitton22 stift que que vertice stores a message in touchbutton 1 without repetition 0 bitton22 stores a message in touchbutton 2 with 6 seg repetition bitton22 stores a message in touchbutton 2 with 6 seg repetition bitton22 stores a message in touchbutton 2 with 6 seg repetition bitton22 stores a message in touchbutton 2 with 6 seg repetition bitton22 stores a message in touchbutton 2 with 6 seg repetition bitton24 turf# TRANSMIT A CARRIER FOR TSUDSTON STATES bitton25 stores a message in touchbutton 2 with 6 seg repetition bitton25 stores a message in touchbutton 2 with 6 seg repetition bitton25 stores a message in touchbutton 2 with 6 seg repetition bitton25 stores a message in touchbutton 2 with 6 seg repetition bitton25 st	button11 rep CQ CQ CQ de ea7hvo0005#	rep cq cq c	q de ea7hvo#	repetition r	message			
bitton13 nes 73 de e>rue # standard message bitton14 sou# SOUND ON/OFF bitton15 led# LED ON/OFF bitton16 In# MODE LEARN/OPERATE bitton17 str# MODE STRAIGHT KEY/PADDLE bitton13 rev# REVERSE PADDLES FOR LEFTHANDED PEOPLE bitton20 rev# REVERSE PADDLES FOR FAILSAFE PREFERENCES bitton20 ftt# FACTORY RESET FOR FAILSAFE PREFERENCES bitton20 st1 cq cq cq e>rThv00000# stores a message in touchbutton 1 without repetition (0) bitton22 st1 cq cq cq e>rThv00000# stores a message in touchbutton 2 with 6 seg repetition bitton22 st2 cq cq cq e>rthv00000# stores a message in touchbutton 2 with 6 seg repetition (0) bitton22 st3 qth cortboodf# stores a message in touchbutton 2 with 6 seg repetition (0) bitton24 tum# TRANSMIT A CARRIER FOR IS USCONDUST SWR bitton25 stores a message in touchbutton 3 without repetition (0) sta qth cortboodf# stores a message in touchbutton 3 without repetition (0) bitton24 tum# TRANSMIT A CARRIER FOR IS USCONDUST SWR bitton25 sound led eam straight sound led eam st	button12 mes qth is cordoba#	mes qth is	cordoba#	standard m	nessage			
button14 sou## SOUND ON/OFF button15 led# LED ON/OFF button16 Irn# MODE LEARN/OPERATE button17 str# MODE STRAIGHT KEY/PADDLE button18 rev# REVERSE PADDLES FOR LEFTHANDED PEOPLE button19 res# RESET button20 ftt# FACTORY RESET FOR FAILSAFE PREFERENCES button20 st1 cq cq cq d = va7hvo0000# stores a message in touchbutton 1 without repetition (0) st12 cq cq cq cq d = va7hvo0006# stores a message in touchbutton 2 with 6 seg repetition st12 cq cq cq cq d = va7hvo0006# stores a message in touchbutton 2 with 6 seg repetition st12 cq cq cq cq cq d = va7hvo0006# stores a message in touchbutton 2 with 6 seg repetition st12 cq cq cq cq cq cq tarbou000# stores a message in touchbutton 2 with 6 seg repetition st12 cq cq cq cq cq tarbou00# stores a message in touchbutton 3 without repetition (0) st12 cq cq cq cq cq tarbou00# stores a message in touchbutton 1 without repetition (0) st12 cq cq cq cq cq tarbou00# stores a message in touchbutton 3 without repetition (0) st12 cq cq cq cq tarbou0# stores a message in touchbutton 1 without repetition (0) stored anolos ond message ton# t	button13 mes 73 de ea7hvo#	mes 73 de	ea7hvo#	standard m	nessage			
button15 led# LED ON/OFF button16 Irn# MODE LEARN/OPERATE button17 str# MODE STRAIGHT KEY/PADDLE button18 rev# REVERSE PADDLES FOR LEFTHANDED PEOPLE button20 res# RESET button20 fct# FACTORY RESET FOR FAILSAFE PREFERENCES button20 st1 cq cq cq de ea7hvo0000# stores a message in touchbutton 1 without repetition (0) button22 st3 qth cordoude# stores a message in touchbutton 2 with 6 seg repetition button24 tun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR button25 tun# FINAL LOOK button25 stores a message in touchbutton 3 without repetition (0) sta qth cordouble# stores a message in touchbutton 3 without repetition (0) sta qth cordouble# stores a message in touchbutton 3 without repetition (0) button25 tun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR FINAL LOOK st1 deae0005#> button25 stores a message in touchbutton 3 without repetition (0) st1 cq cq cq de carbino000# stores a message in touchbutton 3 without repetition (0) button24 stores a message in touchbutton 3 without repetition (0) button25 stores a message in touchbutton 3 without repetition (0) st1 cq cq cq cq de carbino000# stores a message in touchbutton 3 without repetition (0) button25 stores a message in touchbutton 3 without repetition (0) st1 cq cq cq cq de carbino000# stores a message in touchbutton 4 dit (0)	button14 sou#	sou#	SOUND ON/OFF					
bitton16 Inn# MODE LEARN/OPERATE bitton17 str# MODE STRAIGHT KEY/PADDLE bitton18 rev# REVERSE PADDLES FOR LEFTHANDED PEOPLE bitton19 res# RESET bitton20 fct# FACTORY RESET FOR FAILSAFE PREFERENCES bitton21 st1 cq cq cq d e ea7hvo0000# stores a message in touchbutton 1 without repetition (0 bitton22 st2 cq cq cq d e ea7hvo0000# stores a message in touchbutton 2 with 6 seg repetition bitton23 st3 qth cordoba0000# stores a message in touchbutton 3 without repetition (0 button24 tun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR button24 tun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR button24 stores a message in touchbutton 3 without repetition (0 button24 tun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR button25 stores and configuration/textbox FINAL LOOK strands send message-in touchbutton 9 button25 stores a message in touchbutton 3 without repetition (0 tun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR send configuration/textbox stores a reset factory stori send configuration/textbox stores a reset factory stori send configuration/textbox stores a reset factory stori	button15 led#	led#	LED ON/OFF					
button17 str# MODE STRAIGHT KEY/PADDLE button18 rev# REVERSE PADDLES FOR LEFTHANDED PEOPLE button19 res# RESET button20 fct# FACTORY RESET FOR FAILSAFE PREFERENCES button21 st1 cq cq cq cq e ea7hvo0000# stores a message in touchbutton 1 without repetition (0 button22 st2 cq cq cq de ea7hvo0000# stores a message in touchbutton 2 with 6 seg repetition button23 st3 qth cordoba0000# stores a message in touchbutton 3 without repetition (0 button24 tun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR button25 st0 res a message in touchbutton 3 without repetition (0 button24 tun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR button25 sound led learn straight use only button1-button from TextBox Sent Data Configuration/textbox	button16 Irn#	lrn#	MODE LEARN/OPERATE					
button18 rev# REVERSE PADDLES FOR LEFTHANDED PEOPLE button19 res# RESET button20 fct# FACTORY RESET FOR FAILSAFE PREFERENCES button21 st1 cq cq cq cq ca7bvo0000# stores a message in touchbutton 1 without repetition (0 button22 st2 cq cq cq ca ca7bvo0006# stores a message in touchbutton 2 with 6 seg repetition button23 st3 qth cordoba0000# stores a message in touchbutton 3 without repetition (0 button24 st3 qth cordoba0000# stores a message in touchbutton 3 without repetition (0 button25 un# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR un# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR un# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR un# Configuration/textbox 9 BUTTON MODE Configuration/textbox	button17 str#	str#	MODE STRAIGHT KEY/P	ADDLE				
button19 res# RESET button20 fct# FACTORY RESET FOR FAILSAFE PREFERENCES button21 st1 cq cq cq ce a7hv00000# stores a message in touchbutton 1 without repetition (0 button22 st2 cq cq cq ce a7hv00006# stores a message in touchbutton 2 with 6 seg repetition button23 st3 qth cordoue ar7hv00000# stores a message in touchbutton 3 without repetition (0 button24 tun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR button25 cq cq rep qth 73 button24 tun# button25 sound led learn straight g BUTTON MODE cq cq rep stores use only button1-button9 Configuration/textbox g BUTTON MODE stores use only button1-button9 Configuration/textbox g BUTTON MODE stores use only button1-button9 Configuration/textbox g BUTTON MODE stores use only button1-button9 Configuration/textbox	button18 rev#	rev#	REVERSE PADDLES FOR	LEFTHANDED PE	OPLE			
button20 fct# FACTORY RESET FOR FAILSAFE PREFERENCES button21 st1 cq cq cq de ea7hvo0000# stores a message in touchbutton 1 without repetition (0 button22 st2 cq cq cq de ea7hvo0000# stores a message in touchbutton 2 with 6 seg repetition button23 st3 qth cordoba0000# stores a message in touchbutton 3 without repetition (0 button24 tun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR button25 iun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR button25 cq cq rep qth 73 u can also send message and configuration fromTextbox cq cq rep qth 73 9 BUTTON MODE configuration/textbox reverse reset factory stor1 send commands from TextBox factory stor1 Sent Data stor2 stor3	button19 res#	res#	res# RESET					
button21 st1 cq cq cq de ea7hvo0000# stores a message in touchbutton 1 without repetition (0 button22 st2 cq cq cq de ea7hvo0006# stores a message in touchbutton 2 with 6 seg repetition button23 st3 qth cordoba0000# stores a message in touchbutton 3 without repetition (0 button24 tun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR tun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR button25 cq cq rep ot can also send messages and configuration fromTextbox Configuration/textbox 9 BUTTON MODE stores reverse use only button1-button9 Configuration/textbox TextBox reverse reset send commands from TextBox factory Sent Data tune	button20 fct#	fct#	fct# FACTORY RESET FOR FAILSAFE PREFERENCES					
button22 st2 CQ CQ Q de ea7hvo0006# stores a message in touchbutton 2 with 6 seg repetition button23 st3 qth cordoba0000# st3 qth cordoba0000# button24 tun# tun# button25 def reverse g can also send messages and configuration fromTextbox 9 BUTTON MODE use only button1-button9 TextBox send commands from TextBox Sent Data	button21 st1 CQ CQ CQ de ea7hvo0000#	st1 cq cq c	q de ea7hvo0000#	stores a me	essage in touchbu	<mark>utton 1 v</mark>	<mark>vithout re</mark> l	<mark>petition (0000</mark>
button23 st3 qth cordoba0000# stores a message in touchbutton 3 without repetition (0 button24 tun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR button25 fiNAL LOOK occan also send messages and configuration fromTextbox GQ CQ rep qth 9 BUTTON MODE Send commands from TextBox Configuration/textbox straight TextBox reverse reset factory stor1 Sent Data store stores a message in touchbutton 3 without repetition (0	button22 st2 CQ CQ CQ de ea7hvo0006#	st2 cq cq cq	q de ea7hvo0006#	stores a me	essage in touchbu	<mark>utton 2 v</mark>	vith 6 seg	repetition (00
tun# TRANSMIT A CARRIER FOR 10 SECONDS TO ADJUST SWR FINAL LOOK Send commands from TextBox Sent Data	button23 st3 gth cordoba0000#	st3 qth cor	doba0000#	stores a me	essage in touchbu	<mark>utton 3 v</mark>	<mark>vithout re</mark> l	<mark>petition (0000</mark>
button25 def u can also send messages and configuration fromTextbox 9 BUTTON MODE use only button1-button9 TextBox send commands from TextBox Sent Data	button24	tun# TRANSMIT A CARRIER FOR 10 SE						
Output CQ CQ rep qth 73 U can also send messages and configuration fromTextbox sound led learn straight 9 BUTTON MODE Configuration/textbox sound led learn straight TextBox send commands from TextBox stor1 stor2 stor3 tune def	button25				< st1aaa0005# >			
a can also send messages and configuration fromTextbox 9 BUTTON MODE sound led learn straight use only button1-button9 Configuration/textbox reverse reset factory stor1 Sent Data stor2 stor3 tune def	der				cq	CQ rep	qth	73
9 BUTTON MODE sound led learn straight use only button1-button9 Configuration/textbox reverse reset factory stor1 Sent Data stor2 stor3 tune def	ı can also send message	<mark>es and configu</mark>	uration fromTextbox					
TextBox send commands from TextBox reverse reset factory stor1 Sent Data stor2 stor3 tune def	9 BUTTON MODE use only button1-button	19	• Configura	tion/textbox	sound	led	learn	straight
Sent Data stor2 stor3 tune def	TextBox send commands from 1	TextBox	•		reverse	reset	factory	stor1
	Sent Data		•		stor2	stor3	tune	def
WPM 034					WPM 034			•
SENS 045					\times st1aaa000)5#	•	Send
is is an example how to store three "a" in touch button 1.								

73 DE EA7HVO JOSÉ BASCÓN