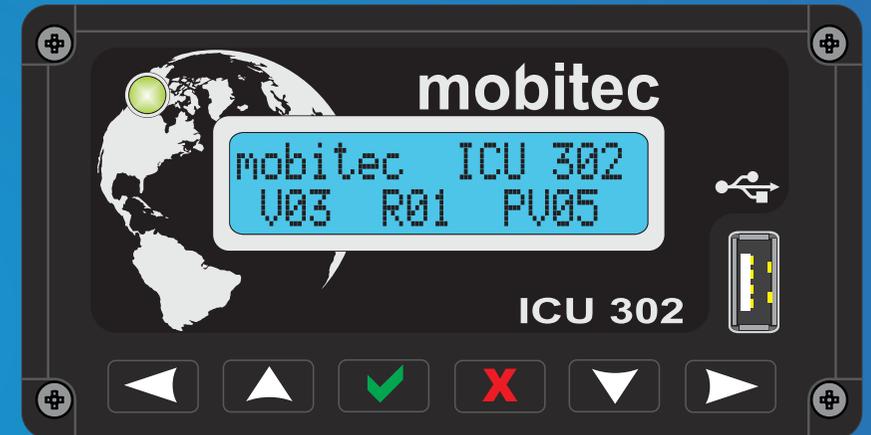


OPERATION MANUAL

ICU 302



mobitec

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CONTENT

Page

1. INFORMATION _____	03
1.1 Technical Specifications _____	03
1.2 Warranty and Security Seals _____	03
2. OPERATING INSTRUCTIONS _____	04
2.1 Selection of Destination _____	04
2.2 Selection of Extra Text _____	04
2.3 Departure Time _____	05
2.4 BOX Function _____	05
2.5 Route Direction _____	05
3. DESTINATION FILES _____	06
3.1 Destination File.out _____	06
3.2 Load File .out _____	06
4. MENU CONFIGURATIONS _____	07
4.1 Selecting language _____	07
4.2 Adjusting time _____	08
4.3 Select sign to be displayed in the control unit _____	08
4.4 Making control unit compatible with SL/SLE family _____	08
4.5 Making it compatible with 100FS 200CF _____	08
4.6 Adjust display brightness _____	09
4.7 Setting route direction (ROUNDTRIP) _____	09
4.8 Rebooting control unit _____	09
5. FIRMWARE UPDATE _____	10
5.1 Updating firmware version _____	10
6. INCOMPATIBILITY OR ERROR MESSAGES _____	11

1. INFORMATION

The ICU 302 control unit has been developed to meet the interface needs between Mobitec Itineraries and their users. Compatible with the entire line of Mobitec Itineraries and with new features, the ICU 302 provides various solutions for communication.

1.1 Technical Specifications

Supply voltage: 09 to 32VCC
 Operating current: 150mA
 Communication: RS 485
 USB Connection (Pen Drive)

Interface with the user:

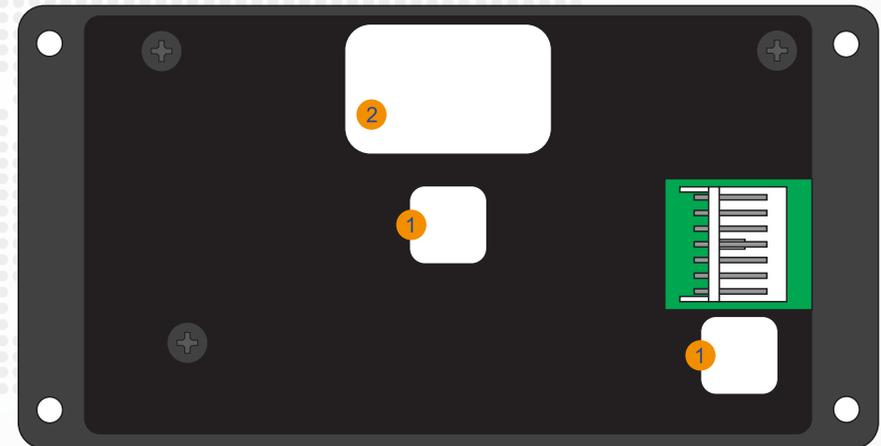
- Alphanumeric display 16x02
- Bicolor LED indicator of operation
- 06 keys

1.2 Warranty and Security Seals

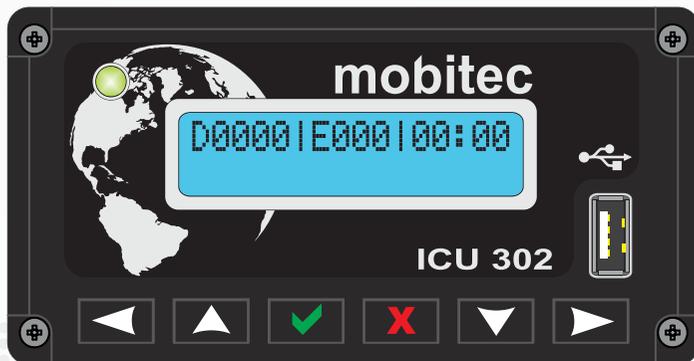
The ICU 302 control Unit bears the serial number and a model identification sticker. These seals are located on the back of the unit.

Seal and serial number.

Sticker showing control unit model.



2. OPERATING INSTRUCTIONS



To access the route selection environment, press the button . In the route selection environment, you can change the information sent to the itineraries installed in the bus.

2.1 Destination Selection



Press to enter the route selection mode.
The digit to be changed will flash, so you can identify it.
Use the buttons to increase or decrease the value of the digit.
Use the buttons to swap the digit to be changed.
After selecting the desired destination, press to confirm and send destinations to the panel, or press to cancel it and keep the previous information.

2.2 Selecting Extra Text



Press to enter the route selection mode.
Press to go to the Extra Text selection environment.
Use the buttons to increase or decrease the value of the digit.
Use the buttons to swap the digit to be changed.
After selecting the desired destination, press to confirm and send destinations to the panel, or press to cancel it and keep the previous information.

2.3 Departure Time



Press to enter the route selection mode.
Press to go to the departure time setting environment.
Use the buttons to increase or decrease the value of the digit.
Use the buttons to swap the digit to be changed.
After setting the desired time, press to confirm and send destinations to the panel, or press to cancel it and keep the previous information.

2.4 BOX Function



Press to enter the route selection mode.
Press to go to the BOX Function setting environment. The BOX function is not visible from the initial screen of the route selection environment.
Use the buttons to increase or decrease the value of the digit.
Use the buttons to swap the digit to be changed.
After selecting the desired destination, press to confirm and send the destinations to the panel, or press to cancel it and keep the previous information.

2.5 Route Direction



To change the route direction, access the route selection environment.
Press for about 3 seconds until the route direction message is displayed in the control unit.
The route direction change requires that you have previously enabled it. Also, the destination file must be prepared for this function. See item 4.7.

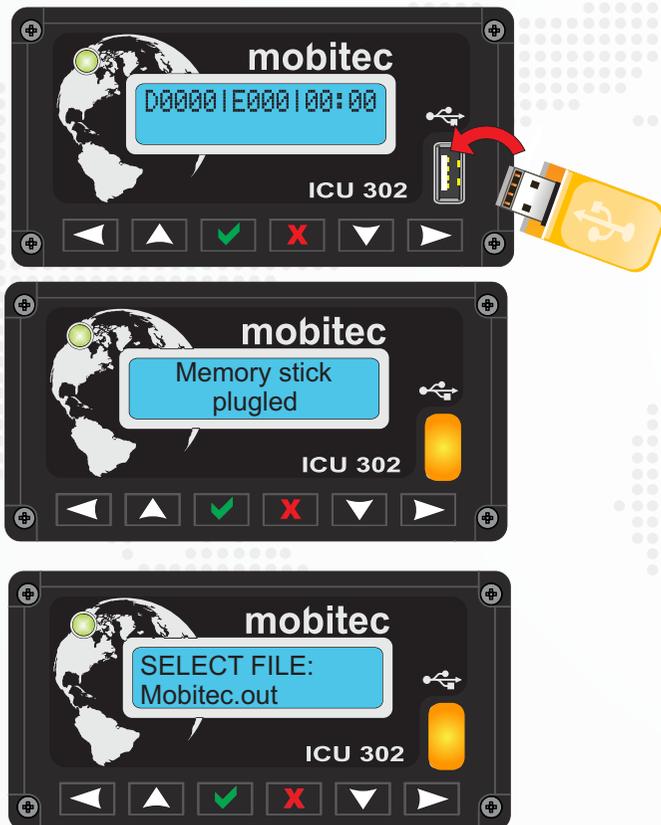
3. DESTINATIONS FILE

3.1 Destination file.out

The destination file.out contains all the information to be available for selection in the control unit. The file is generated by programs recommended by Mobitec. To transmit a file to the control unit, enter it into a Pen Drive. The Pen Drive should contain only the items to be transferred.

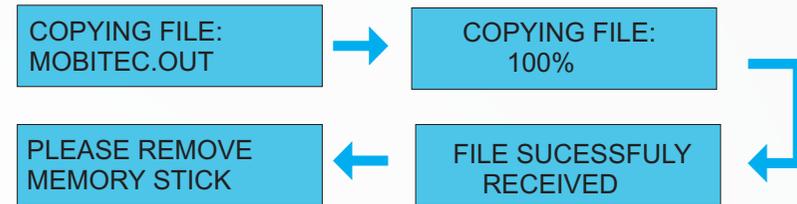
3.2 Load file.out

Insert the Pen Drive with the file to be loaded.



To select the desired file, press \triangle ∇ thus changing the file to be selected. To confirm, press \checkmark , or \times to cancel the upload.

If a file is selected, the control unit will perform the operations below:



When you have finished loading, the Control Unit will return to the route selection screen.

4. MENU SETTINGS



To access the control unit menu, press \checkmark . Move the button \triangleleft until the message below is displayed, press \checkmark to access the menu or cancel it by pressing \times .

ENTER CONTROL
UNIT SETTINGS

After accessing the control unit menu, press \triangle ∇ to switch between the menu factions.

4.1 Selecting the language

To access the language setting, press \checkmark on the screen below.

SELECT
LANGUAGE

Press \triangle or ∇ until the desired option and confirm with \checkmark to keep the previous option \times . Language Options in the Control Unit:

IDIOMA:
PORTUGUES

LANGUAGE:
ENGLISH

IDIOMA:
ESPAÑOL

4.2 Setting the Time

To access time setting, press  on the screen below.

ADJUST
DATE AND TIME

Use the arrows   to select the field and   to increase or decrease the value of it.

ADJUST TIME
01/01/00 00:00

To confirm time, press  or  to keep the previous time.

4.3 Selecting the Panel to Be Displayed in the Control Unit

To select the panel to be displayed in the route selection screen, press  .

SELECT SIGN
FOR PREVIEW

Use the arrows   to select the panel to be displayed in the route selection environment.

SIGN PREVIEW:
8X80 FRONT

To confirm the setting, press  or  to keep the previous setting.

4.4 Making Control Unit compatible with SL/SLE Family.

To access this function (make control unit compatible with the SL/SLE itinerary) press  on the screen below.

SL/SLE FAMILY
COMPATIBILITY

Use the arrows  to select the desired option.

COMP. SL/SLE
YES X NO

To confirm the configuration, press  or  to keep the previous configuration.

4.5 Making 100FS 200CF Compatible

To access this function (when the unit replaces the 100FS or 200CF unit), press  on the screen below

COMPATIBILITY
100 FS 200CF

Use the arrows to  select the desired option.

C. 100FS / 200CF:
_ YES X NO

To confirm the configuration, press  or  to keep the previous configuration.

4.6 Adjusting Display Brightness

To access the brightness setting, press  on the screen below.

ADJUST DISPLAY
BRIGHTNESS

Use the arrows   to increase or decrease the display brightness.

BRIGHTNESS:
|||||50%|

To confirm brightness, press  or  to keep previous brightness.

4.7 ROUNDTRIP ROUTE CONFIGURATION

To access ROUNDTRIP ROUTE, press  on the screen below.

TRIP DIRECTION
CONFIGURATION

Use the arrows to   select the desired option.

TRIP DIRECTION
YES X NO

To confirm configuration, press  or  to keep the previous configuration.

4.8 Rebooting the Control Unit

To access REBOOTING THE CONTROL UNIT, press  on the screen below.

RESTART
UNIT SYSTEM

After accessing this configuration, the unit will start rebooting, which will be over when the process bar is completed. To cancel it, press

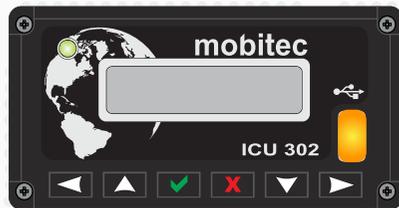
RESTARTING:

5. FIRMWARE UPGRADE

Mobitec upgrades the Firmware (Logical Control Unit Program) in order to constantly improve it and add new features to it with the aim of better serving our customers.

5.1 Upgrading the Firmware Version

In order to upgrade the Firmware version, insert the Pen Drive while the Control Unit is OFF or during its Rebooting.



6. ERROR OR INCOMPATIBILITY MESSAGES

In certain situations, the ICU 302 Control Unit can detect problems with some devices or internal problems. In case any of the messages listed below is found, perform the action recommended for each one:

TOO MANY FILES IN THE MEMORY STICK

Situation: more than 100 different files in THE Pen Drive.
Solution: format the Pen Drive and copy only the file you want.

MEMORY STICK WITHOUT DESTINATION FILES

Situation: no files in the Pen Drive
Solution: check if the desired file has been copied to the Pen Drive.

MEMORY STICK REMOVED

Situation: The Pen Drive has been removed in an inappropriate
Solution: Repeat the upload process.

ERROR READING IN DESTINATION FILE

Situation: Destination file is corrupted.
Solution: Create file again and copy it to the Pen Drive.

GENERAL FAILURE IN USB PORT

Situation: Critical failure in reading USB.
Solution: Refer to technical assistance.

WRITING FAILURE IN DATA MEMORY

Situation: error when storing files in the internal memory.
Solution: Restart the process.

THE SELECTED FILE IS TOO BIG

Situation: the generated file exceeds the supported size.
Solution: re-create the destinations file with fewer destinations.

FAILURE TO READ IN THE DATA MEMORY

Situation: failure when getting information from internal memory.
Solution: Reboot the process.

FAILURE TO UPLOAD DESTINATION FILE

Situation: file.out is invalid.
Solution: Check if the selected file is invalid.

DEFAULT FILE RESTORED

Situation: this message is displayed when removing the Pen Drive in an inappropriate time or when copying an invalid file.
Solution: recopy a valid file.