

## Quick Reference Instructions For Furuno FELCOM 12 Inmarsat-C

**Once you have successfully sent your first e-mail using Sections One to Seven, simply follow these Quick Reference Instructions for future e-mails.**

1. Ensure that your Inmarsat-C terminal is logged into an Ocean Region. Ensure that any unfinished previous messages have been saved and the screen is clear for entry of new messages.
2. Press **<ESC>** until the screen is clear. Press **<ALT+N>** to obtain a blank screen with the cursor flashing on the top left-hand corner.
3. On the first line of the screen, enter the Internet address prefixed by **TO+**, **TO:** or **INET:** (Refer to the **Table of Service Providers**).
4. Press **<ENTER>** twice in order to leave one blank line between the Internet address entry and the start of your personalised text message.

**Note:** *If using Telia Mobile type **STX:** to indicate start of text and press **<ENTER>**.*

5. Type in the text of your message. The format does not matter.
6. When you have finished entering the text of your message press **<F3>**. Using the up/down arrow keys highlight "Transmit Message" function and press **<ENTER>**. Using the up/down arrow keys highlight the "Station Name" field and press **<ENTER>**.
7. Using the up/down arrow keys look for and highlight the "INTERNETMAIL" Station List entry containing the selected value (Refer to Column 5 of the **Table of Service Providers**).
8. Using the up arrow key highlight the "Option" field and press **<ENTER>**. Using the up/down arrow keys highlight the "Code" field and press **<ENTER>**. Using the up/down arrow keys select "DATA" and press **<ENTER>**. Now press **<ESC>** once.
9. Using the down arrow key highlight the "[ TRANSMIT ]" field and press **<ENTER>**. Using the left/right arrow keys highlight "YES" and press **<ENTER>** to send the message. Now press **<ESC>** twice.
10. To check the status of your message, press **<F6>** and using the up/down arrow keys highlight "Send Message Log" field and press **<ENTER>**. Using the up/down arrow keys highlight the message just sent. The message status will now be displayed.

## Section One Creating An Internet Message

1. From the **Table Of Service Providers**, determine your preferred Service Provider from Column 1.
2. The screen of your Inmarsat-C terminal should look like the example. If it does not, press **<ESC>** until the screen is clear.
3. If a previous message is displayed on the screen then press **<ALT+Q>** to select "Close ALT-Q" option.  
If prompted to "Save this message?" use the arrow keys to select the "Yes" option and press **<ENTER>**.

Now type in a filename for this message and press **<ENTER>**.

If the filename already exists, you will be prompted to overwrite the file.

Using the arrow keys select the "No" option and press **<ENTER>**. Type in a new filename and press **<ENTER>**.

If prompted "OK to save?" using the arrow keys select "Yes" and press **<ENTER>**. The screen should now look like the example.

4. You must ensure that your Inmarsat-C terminal is logged into an Ocean Region. One of the following should be visible at the bottom-centre of the screen:

```
•NCS: AOR.E   LOGIN      •NCS: AOR.W   LOGIN
•NCS: POR    LOGIN      •NCS: IOR    LOGIN
```

If your terminal is not logged in, then please refer to your Furuno manual for instructions.

5. Press **<F8>**. The "Setup" drop-down menu appears. Press **<3>** to select "Editor Setup". Using arrow keys select "Text Mode" and press **<ENTER>**. Using arrow keys select "Ascii" and press **<ENTER>**. Press **<ESC>** until the screen looks like the same example.

6. Press **<ALT+N>** and the screen will clear and be replaced with a blank window with the cursor flashing on the top left-hand corner. The window will be labelled with a "[#] Untitled#" where # is any number.

*You are now ready to proceed to Section Two*

### Example

File	Edit	Transmit	EGC	Reports	Logs	Options	Setup	Position	StopAlarm
Date		98-07-29				BBER		000	
Time		10:26(UTC)				C/N		OK ( 36dB)	
						Send Level		OK ( 0)	
Position		LAT 51:00.00N				RxIF AGC Level		OK (137)	
		LON 000:00.00E				REF Offset Freq		OK ( OHZ)	
Waypoint		LAT				Synthe 1st-1 Local		OK	
		LON				1st-2 Local		OK	
Course		DEG				RX2nd Local		OK	
Speed		KTS							
Current NCS		144(AOR.E)LOGIN				Antenna Power Supply		OK	
Current Channel		NCS CC							
Current TDM		NCS CC				Water Temperature		DEG	
MES Status		Idle				Water Current			
GPS Status		****				Direction		DEG	
						Speed		KTS	
DCE Memory		32818 Bytes free				Depth			
-----									
Current State : IDLE				SYNC( NCS )		98-07-29 10:26(UTC)			
				NCS:AOR.E LOGIN		LAT: 51:00.00N			
DCE Ver 02						LON:000:00.00E			

## Section Two Addressing And Entering Your Internet Message

1. The Internet address to which you wish to send your message must be entered in the first line of the screen. An example is given.

Replace the highlighted **????** as shown with the **Internet Address Command** used by the Service Provider you have selected. Examples are found in Column 3 of the **Table of Service Providers**.

i.e.

**TO+** or **TO:** or **INET:**

This **must be** followed by a **space** and the recipient's Internet address in the format:

**Username@enterprise.domain**

e.g.

**Maritime\_Applications@Inmarsat.org**

**Note:** If @ is not on your keyboard, press **<Shift>+2**.

The first line should now look like this (depending on the Service Provider):

e.g.

**TO+ Maritime\_Applications@Inmarsat.org** or  
**TO: Maritime\_Applications@Inmarsat.org** or  
**INET: Maritime\_Applications@Inmarsat.org**

2. Press **<ENTER>** twice in order to leave one blank line between the Internet address entry and the start of your personalised text message.

**Note:** If using Station 12 or Telia Mobile, type **STX:** to indicate start of text and press **<ENTER>**.

Type in the text of your message. The format does not matter.

You are now ready to proceed to Section Three.

### Example

```

File Edit Transmit EGC      Reports Logs Options Setup      Position StopAlarm
-----
                                <[1] UNTITLED1>
1  [????] Maritime_Applications@Inmarsat.org
2  Vessel: Enterprise
   ETA: 26-jan 11:10
   ETD: 26-jan 17:00
   Ship Master
-----+-----+-----+-----+-----+-----+-----<
ASCII          113 Char.  [ Line  1/   6 Col.  5 ]  [Insert  ]
-----
Current State : IDLE          SYNC( NCS )          98-07-29 11:05(UTC)
DCE Ver 02          NCS:AOR.E  LOGIN          LAT: 51:00.00N
                                          LON:000:00.00E
  
```

## Section Three Preparing Your Message For Transmission

1. When you have finished entering your message text, press <F8>. The "Setup" dialogue box will appear. Press <9> to select "Configuration" option. Press <1> for "Station List" option.

2. Using the up/down arrow keys look for and highlight the "INTERNETMAIL" Station List entry containing the selected value. (Refer to Column 5 of the **Table of Service Providers**.)

- If the "INTERNETMAIL" entry exists (as shown), then highlight it and press <ENTER>. This will display a new dialogue box. The **Station Name** field will be highlighted.

Press <ENTER> twice to accept this name. The **Destination Type** field will now be highlighted.

*You are now ready to proceed to Section Four.*

- If the "INTERNETMAIL" entry does not exist, then using the up/down arrow keys highlight the first Station List entry that is empty or blank.

Press <ENTER>. A new dialogue box will be displayed. The **Station Name** field will be highlighted. Press <ENTER>. Type in "INTERNETMAIL" and press <ENTER>.

*You are now ready to proceed to Section Four.*

### Example

```

File Edit Transmit EGC      Reports Logs Options Setup      Position StopAlarm
-----
          Setup              <-[1] UNTITLED1>
          Configuration      arsats.org
          Station List
Station Name  Type  Code, ID / Address
-----
11 INTERNETMAIL  SPEC  xxxx
12
13
14
15
16
17
18
-----
-- PageUp, PageDown: Move          Ctrl+P:print          ----<-----
A                                     nsert ]

-----
Current State : IDLE          SYNC( NCS )          98-07-29 14:19(UTC)
DCE Ver 02          NCS:AOR.E LOGIN          LAT: 51:00.00M
                                     LON:000:00.00E
    
```

## Section Four Setting Up Parameters for INTERNETMAIL Address

1. Refer to the **Table Of Service Providers** and inspect Column 4 for the Service Provider you chose in Section One.

If Column 4 indicates an "X.25" **address-type**, then go to page marked "Section Four continued". If Column 4 indicates a "SPECIAL" **address-type**, then:

- With the arrow keys highlight the **Destination Type** field and press <ENTER>. A drop-down dialogue box will appear with a list of possible options. Using the arrow keys select "SPEC" and press <ENTER>.
- Using the arrow keys, move down to the **Station ID** field and press <ENTER>. Enter the value from Column 5 of the **Table Of Service Providers** here and press <ENTER>.
- Using the arrow keys, move down and highlight the **Remarks** field and press <ENTER>. Type in the name of the Service Provider you have selected. Press <ENTER>. (This field is optional. Refer to Column 1 of the **Table Of Service Providers**.) Press <ESC> four times to return to your message entry screen.

2. Press <F3> to obtain the "Transmit" menu. Press <1> to select "Transmit Message". The "Transmit Message" screen appears.

3. Ensure that the **Priority** field is selected as "Normal". If not, press <ENTER> to edit the field. Then using the arrow keys select "Normal" and press <ENTER>.

4. Using the up/down arrow keys select the field "Station Name" and press <ENTER>. The "Station List" is displayed. Using the up/down arrow keys select the "INTERNETMAIL" entry containing the ID you have entered earlier and press <ENTER>.

5. Using the up/down arrow keys select the **Option** field and press <ENTER>. Ensure that the entries match the fields as shown. Press <ESC> to return to the "Transmit Message" screen:

- Confirmation ON                      • Send Delay 00:00
- Delivery Delay Immediate            • Code Data

If not, use arrow keys to highlight the field, press <ENTER> to edit the field. Using the arrow keys highlight the entries required and press <ENTER> to select. Press <ESC> to return to the "Transmit Message" screen.

Note: When using **Stratos** or **Telstra**, confirm that the **Code** field has **Data** selected, not **IA5**.

You are now ready to proceed to Section Five.

### Example

```

File Edit Transmit EGC      Reports Logs Options Setup      Position StopAlarm
-----
          Setup              -<[1] UNTITLED1>
          Configuration      arsats.org
          Station List
          Station Name      Type      Code, ID / Address
          -----
          11 INTERNETMAIL   SPEC      xxxx
          12
          13
          14
          15
          16
          17
          18
          -----
          PageUp, PageD
          A
          Station Name      INTERNETMAIL
          Destination Type   SPEC
          Country Code
          Station ID        xxxx
          Modem Type
          E-Mail Address
          Remarks           service provider
          -----
          Erase the Name to delete this station.
          -----
Current State : IDLE          SYNC( NCS )          98-07-29 14:20(UTC)
                          NCS:AOR.E LOGIN          LAT: 51:00.00N
DCE Ver 02                  LON:000:00.00E
    
```

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## Section Four Continued For "X.25" Address-Type Only

1. If Column 4 indicates an "X.25" address-type, then:

- With the arrow keys highlight the **Destination Type** field and press <ENTER>. A drop-down menu dialogue box will appear with a list of possible options. Using the arrow keys select "PSDN" and press <ENTER>.
- Using the arrow keys, move down to the **Country Code** field and press <ENTER>. Type in the first four digits of the "X.25" address number (found in Column 5 of the **Table Of Service Providers**) and press <ENTER>.
- Using the arrow keys, move down to the **Station ID** field and press <ENTER>. Type in the remaining digits of the "X.25" address number and press <ENTER>.
- Using the arrow keys, move down and highlight the **Remarks** field and press <ENTER>. Type in the name of the Service Provider you have selected. Press <ENTER>. (This field is optional.) Press <ESC> four times to return to your message entry screen.

2. Press <F3> to obtain the "Transmit" menu. Press <1> to select "Transmit Message". The "Transmit Message" screen appears.

3. Ensure that the **Priority** field is selected as "Normal". If not press <ENTER> to edit the field. Then using the arrow keys select "Normal" and press <ENTER>.

4. Using the up/down arrow keys select the field "Station Name" and press <ENTER>. The "Station List" is displayed. Using the up/down arrow keys select the "INTERNETMAIL" containing the ID you have earlier entered and press <ENTER>.

5. Using the up/down arrow keys select the **Option** field and press <ENTER>.

Ensure that the entries match the fields as shown. Press <ESC> to return to the "Transmit Message" screen:

- Confirmation ON
- Send Delay 00:00
- Delivery Delay Immediate
- Code Data

If not, use arrow keys to highlight the field, press <ENTER> to edit the field. Using the arrow keys highlight the entries required and press <ENTER> to select. Press <ESC> to return to the "Transmit Message" screen.

**Note:** When using *Stratos* or *Telstra*, confirm that the **Code** field has **Data** selected, not **IA5**.

You are now ready to proceed to Section Five.

### Example

```

File Edit Transmit EGC      Reports Logs Options Setup      Position StopAlarm
-----
          Setup              -<[1] UNTITLED1>
          Configuration      } arsat.org
          Station List
          Station Name      Type      Code, ID / Address
          -----
          12
          13
          14
          15
          16
          17
          18
          19
          -----
          PageUp, PageD
          A
          Station Name      INTERNETMAIL
          Destination Type   PSDN
          Country Code      2403
          Station ID        722360710
          Modem Type
          E-Mail Address
          Remarks
          -----
          Erase the Name to delete this station.
          -----
Current State : IDLE          SYNC( NCS )          98-07-29 15:17(UTC)
                          NCS:AOR.E LOGIN          LAT: 51:00.00N
DCE Ver 02                          LON:000:00.00E
    
```

## Section Five Land Earth Station (LES ID) Selection

1. Using the up/down arrow keys highlight the **LES ID** field within the "Transmit Message" screen. Press **<ENTER>** to obtain a dialogue box containing a list of LES ID's for the Ocean Region you are logged into.

2. Using the up/down arrow keys, highlight the Land Earth Station ID number of your chosen Service Provider for the Ocean Region you are logged into as displayed in the bottom-centre of the screen. Refer to Column 2 of the **Table Of Service Providers**. Press **<ENTER>**.

*You are now ready to proceed to Section Six.*

### Example

```

File Edit Transmit EGC Reports Logs Options Setup Position StopAlarm
-----
Transmit <[1] UNTITLED1>
Transmit Message
-----
LES ID Selection Dialog:
Priority Normal
Message File Message now being edited Size 112
Station Name INTERNETMAIL
Destination Type PSDN
Country/Ocean Code 2403
Station ID 722360710
Modem Type
Address
Subject
Attach File
LES ID Option
[ TRANSMIT ]
-----
LES ID Selection Table:
Name LES ID Remarks
SOUTHBURY 101 USA
GOONHILLY 102 UK (NCS, ID144)
103
EIK 104 Norway
FUCINO 105 ITALY
-----
Current State : IDLE
DCE Ver 02 NCS:AOR.E LOGIN LAT: 51:00.00N LON:000:00.00E
    
```

## Section Six Sending Your Message

1. Use the arrow keys to highlight the “**Transmit**” option at the bottom of the screen, and press **<ENTER>** to send your message. A dialogue box now prompts you to “Start”. Using the arrow keys select “Yes” and press **<ENTER>**.

2. The bottom left-hand corner of the screen will show the “Current State:” of the message.

Press **<ESC>** three times to return to your message.

*You are now ready to proceed to Section Seven.*

### Example

```

File Edit Transmit EGC Reports Logs Options Setup Position StopAlarm
-----
Transmit <[1] UNTITLED1>
Transmit Message
-----
L
E
S
Priority Normal
Message File Message now being edited Size 112
Station Name INTERNETMAIL
Destination Type SPEC
Country/Ocean Code
Station ID xxxx
Modem Type
Address
Subject
Attach File
LES ID 103
Option
-----
1 [ TRANSMIT ]
-----
2 Current State : IDLE SYNC( NCS ) 98-07-29 14:57(UTC)
NCS:AOR.E LOGIN LAT: 51:00.00N
DCE Ver 02 LON:000:00.00E
    
```

## Section Seven Checking The Status of Your Transmission

1. Press <F6> to select the "Logs" function from the menu bar.
2. Using the arrow keys select the "Send Message log" from the pull-down menu and press <ENTER>. Using the up/down arrow keys highlight the message at the bottom of the list.

*Your message status will be displayed.*

3. If a transmission error is indicated, refer to the **NON DELIVERY CODES** list.

Go back to Section Three and retransmit the message. If still unsuccessful, contact the Service Provider.

```

1  File Edit Transmit EGC      Reports Logs Options Setup      Position StopAlarm
-----
2  | Logs | <[1] UNTITLED1>
   |-----|
   | 1. Send Message Log | @Inmarsat.org
   | 2. Receive Message Log |
   |-----|
   | Send Message Log |
   |-----|
   | No. Message File Station LES Priority Send Status Delivery |
   | 01 edit msg.001 28 103 Normal Sending |
   |-----|
   | ASCII 113 Char. [ Line 6/ 6 Col. 12 ] [Insert ] |
   |-----|
   | Current State : SENDING MES Sig Ch 98-07-29 15:10(UTC) |
   | CALLING NCS:AOR.E LOGIN LAT: 51:00.00N |
   | DCE Ver 02 LON:000:00.00E |

```