




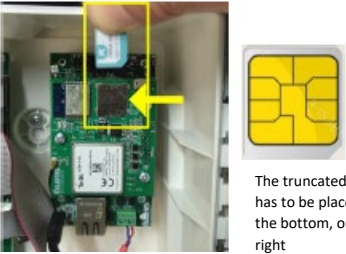

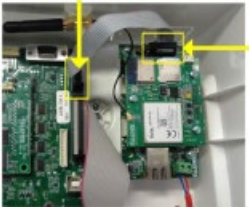
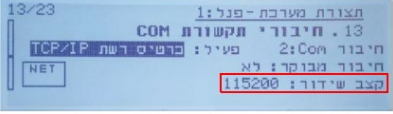
## MCOM card Installation Manual






©Telefire 2020

43 Hasivim St., Petach Tikva

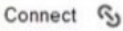



03-970-0400

<p><b>1</b> MCOM card compliant with panels 7:  - ADR-7000  - SAVER-7000</p> <p>The card installation requires software version 6.1 and up on the panel.</p>	<p><b>2</b> Disconnect the panel from all power sources (batteries and mains voltage)</p> 
<p><b>Comaptibility</b></p> <p><b>3</b> Insert micro SIM, 3g and up, to the top card.</p>  <p>The truncated corner has to be placed on the bottom, on the right</p>	<p><b>Preparation</b></p> <p><b>4</b> Install MCOM assembly on the top right corner of the panel (in Panel ADR-7000, install the assebmly on the bottom)</p> 
<p><b>Cellular connection</b></p> <p><b>5</b> Connect the flat cable – COM1 connector from the MCOM assebmly to the COM2 connector on the main card of the panel</p> <p>COM2 connector on the main card of the panel</p>  <p>COM1 connector on the MCOM assembly</p>	<p><b>Connections phase 1</b></p> <p><b>6</b></p> <ul style="list-style-type: none"> <li>- Connect 24VDC supply from the 24VDC outlet on the panel to the 24V connector on the MCOM plus and minus contacts, respectively</li> <li>- Connect the backup batteries to the panel, and then connect the mains voltage</li> </ul>
<p><b>Connections phase 2</b></p> <p><b>7</b></p> <ol style="list-style-type: none"> <li>1. Press the <b>שמאל</b> (menu) key to enter the system settings</li> <li>2. Enter password (6 digits)</li> <li>3. Select <b>1</b> - System features</li> <li>4. Select <b>1</b> - System configuration</li> <li>5. Select <b>1</b> and then <b>3</b> - COM (communication)</li> </ol>	<p><b>Voltages</b></p> <p><b>8</b> 6. Use the arrows to change the COM2 settings to a network card – TCP/IP, make sure that the transmission rate is 115,200:</p>  <ol style="list-style-type: none"> <li>7. Press Save.</li> <li>8. Press Exit.</li> </ol>

<b>COM settings on the panel</b>	<b>COM settings on the panel – cont.</b>
<p><b>9</b> Check that the PC is connected to the internet. Connect USB cable between the PC and USB connector on the MCOM card.</p>  <p><b>USB connector</b></p>	<p><b>10</b> Check that you have the following data available:</p> <p>A. For TCP/IP communication</p> <ul style="list-style-type: none"> <li>- Static IP address of the card</li> <li>- Gateway address</li> <li>- Mask address</li> </ul> <p>B. For WiFi communication:</p> <ul style="list-style-type: none"> <li>- Wifi name</li> <li>- WiFi password</li> </ul> <p>Note: in cellular communication, no preliminary data are necessary – the supplier has to provide 3G SIM card.</p>
<b>Communication connection</b>	<b>Beginning to configure the MCOM setup as preparation for programming</b>
<p><b>11</b></p> <ol style="list-style-type: none"> <li>1. Run the MCOM setup software from the TCS-7030 software.</li> <li>2. Select the main menu (top right button) ☰</li> <li>3. Select <b>About &lt; Additional Software &lt; MCOM Setup</b></li> </ol> 	<p><b>12</b> The initial status is disconnected</p> 

**Connecting a PC to the card**


13

1. To change the status, press 
2. Press OK and wait for the status to change from Disconnected (red ) to Connected (green )
3. To change press the **Set OIT** button 



**Connecting a PC to the card**

14

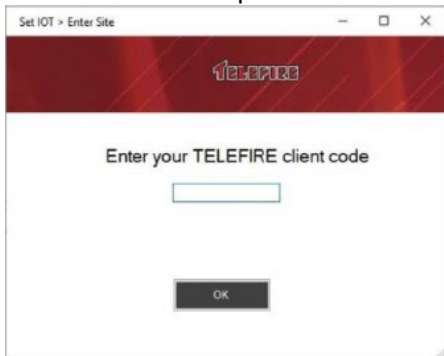
- From the pop-up window, **Set OIT < Enter Site**, conduct the following actions:
1. In the **Site Name** field, enter the site name (e.g.: Israel Plants)
  2. In the **Facility/Address/Subtitle Name** field enter the site location (e.g., 1 Haharutzim St., Petach Tikwa)
  3. Press the  button.



**Connecting a PC to the card**


15

- From the pop-up window, **Set OIT < Enter Site**, conduct the following actions:
1. In the **Telefire Client Code** field, enter the client number (6 digits)
  2. To confirm press **OK**.













**Connecting a PC to the card**

16

- From the pop-up window **Set OIT < Enter site**, conduct the following actions:
1. Select the number of panels in the project, press the arrow and select 7000 for each panel.
  2. Press the  button.



<b>Connecting a PC to the card</b>	<b>Definition of the site project</b>
<p><b>17</b> From the pop-up window, <b>Set OIT &lt; Set Panels Map</b>, conduct the following operations:</p> <ol style="list-style-type: none"> <li>1. Mark the geographic location of the desired site.</li> <li>2. To confirm the location, press the  button.</li> </ol> <p>To correct, repeat the programming process from the beginning.</p> 	<p><b>18</b> from the <b>Set OIT &lt; Hardware settings</b> window, conduct the following actions:</p> <ol style="list-style-type: none"> <li>1. In the <b>Type of Hardware</b> field, select the communication method in the desired site: <ol style="list-style-type: none"> <li>A. TCP/IP</li> <li>B. WiFi</li> <li>C. Cellular.</li> </ol> </li> </ol> <p>(for details see steps 11-13).</p> <ol style="list-style-type: none"> <li>2. Press the <b>Done</b> button.</li> </ol> 
<b>Definition of the site project</b>	<b>Communication settings</b>
<p><b>19</b> 1. Update the following fields by the relevant information:</p> <ol style="list-style-type: none"> <li>A. Static IP address of the site</li> <li>B. Gateway address</li> <li>C. Mask address.</li> </ol> <ol style="list-style-type: none"> <li>3. Press the <b>Done</b> button.</li> </ol> 	<p><b>20</b> 1. In the <b>Wi-Fi name</b> field, enter the network name.</p> <ol style="list-style-type: none"> <li>2. In the <b>Wi-Fi password</b> field, enter the network password.</li> <li>3. Press the <b>Done</b> button.</li> </ol> 

<b>Communication settings - TCP/IP</b>	<b>Communication settings – WiFi</b>
<p><b>21</b></p> <ol style="list-style-type: none"> <li>1. In the <b>Type of Hardware</b> field select <b>Cellular</b>.</li> <li>2. Press the <b>Done</b> button.</li> </ol> 	<p><b>22</b></p> <p>Wait for the process to complete and for the display of a window with the message <b>Save Settings OK</b>.</p> 
<b>Communication settings – cellular</b>	<b>Completion of the programing process</b>
<p><b>23</b></p> <ol style="list-style-type: none"> <li>1. Enter the main menu</li> <li>2. Press the <b>TestIOT</b> button</li> </ol>  <ol style="list-style-type: none"> <li>3. If there are no faults, a pop -up window will be displayed stating <b>OK</b></li> </ol> 	<p><b>24</b></p> <p>To check the entered data, press the <b>View Configuration</b> button.</p> <p>Note: the data in this window are read only.</p> 
<b>Completion of the programming process – general testing</b>	<b>Completion of the programming process – data testing</b>



## **Boot Loader Application Installation Manual**


*The Telefire Boot Loader application is designed for update of the Telefire MCOM assembly software. The update process is short and simple – activate it only when you receive a version update notice.*

©Telefire 2020

43 Hasivim St., Petach Tikwa



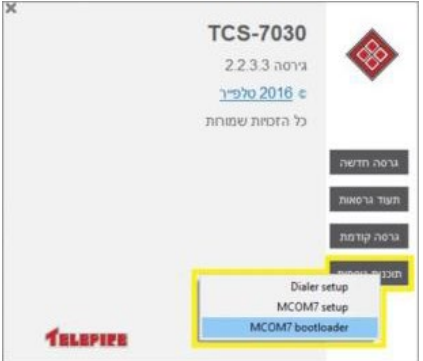
03-970-0400

- 1**
1. Check the compliance of the equipment with the specific project: MCOM card for panels 7, version 6.1 and up:
    - ADR-7000
    - SAVER-7000
    - GUARD-7
  2. Check that the PC is connected to the internet
  3. Prepare a micro-USB cable

- 2**
- Connect the micro-USB cable from the USB port of the PC and the USB input of the MCOM card.
- USB port on the MCOM card
- 

**Comaptibility / internet/micro USB cable**

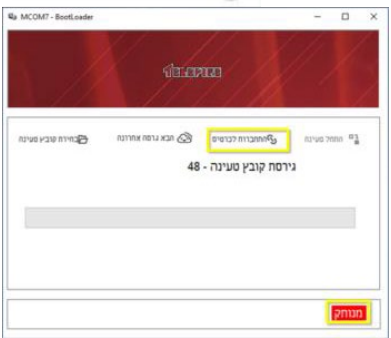
**Installation – connecting MCOM card to a pC**



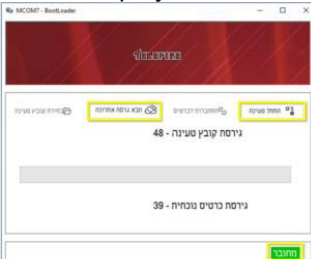
- 3**
- Run the Boot Loader software by the following steps:
1. Enter the TCS-7030 software.
- 
2. Select the main menu (top right button) 
  3. Select **About / Additional Software < MCOM7 bootloader**
- 

- 4**
- To confoirm press **אשר**
- 

**Boot loader – running**

**Communication type – USB**

- 5**
- From the pop-up window – **MCOM-7 BootLoader**, the connection status is disconnected - **מנותק**
2. Press the **Connecting to Card** button
- 

- 6**
- The connection status changes to connected **מחובר**
  - Press the **Load the latest version** button 
  - Press the **Start Loading** button  (a progress bar will be displayed)
  - At the end of process, the message "Process successfully completed" will be displayed:
- 

**Connecting to the card**

**Final tests**