TBOS-II™ System requires TBOS latching solenoids *(Rain Bird P/N LU3100)* mounted on all valves connected to control modules.

**Keypad Functions**

- **🏠 / ✂**
  - Long press (3 sec) to wake up the field transmitter.
  - Return to main screen.

- **+/ON/ ↑**
  - Scroll upwards through the menus.
  - Increase the numerical value (or higher value) in data input mode.

- **←**
  - Scroll to the left through the menus – Return.
  - Validation.
  - Disconnection (from module).

- **-/OFF/ ↓**
  - Scroll downward through menus.
  - Confirm “OFF”.
  - Decrease the numerical value.
  - Refresh Control Module status (from Main Screen).

- **ABC**
  - Navigation between programs A/B and C.
  - Key enabled whenever ABC are flashing in reverse video.

- **→**
  - Scroll to the right through the menus.
  - Confirm input.

- **OK**
  - Confirm input.
  - Enables / disables input on certain screens.

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The Field Transmitter must be charged for at least 10 hours before initial use.
TBOS-II™ field transmitter initial settings - First use of the field transmitter

As soon as it is switched on for the first time, the TBOS-II™ field transmitter asks you to choose from the following:

The main screen is then displayed, showing the date, time, battery charge level and the name of the field transmitter *(the name can be changed).*

Activation/Standby of the TBOS-II™ field transmitter

Activate the field transmitter by holding down the Home key for 3 seconds.

Standby mode is automatic. Backlight time can be set from 10 to 30 seconds – Press OK / Settings / Backlight time-out and set the time required using the + and - keys.

TBOS-II Program Templates Menu

Turn on the Field Transmitter by pressing for 3 seconds. Press OK to go to main menu.

From the Templates (TBOS-II) menu you can access to all programming functions of the Field Transmitter offline, without being connected to Control Module.

You have the ability to build a template program *(irrigation schedule, start times, run times, seasonal adjustment, etc…)* and save it in one of the three Field Transmitter memory locations in order to transmit it later onto in-field to a TBOS-II™ Control Module *(via radio or infra-red).*

*From the main screen, only TBOS-II Templates are accessible. You can use them to program through infra-red communication a TBOS-II Control Module or through radio communication a TBOS-II Radio Adaptor (installed on TBOS™ or TBOS-II™ Control Module)*.

*For a 1st generation TBOS Control Module programmed thru infra-red, program templates are accessible only when you are mechanically connected to the Control Module, just after the programming functions.*
Check programs

Review programs

Program run times

Valve run times

Sensor Settings

Program Template

Save

Restore

Manual recall

Automatic Recall

TBOS Backup

Save

Manual recall

Restore default settings

Clear Programs

Individual pgm

All programs

About
INFRA-RED MODE

Connect the 9V battery in the TBOS-II Control Module. Properly fasten the rubber band to ensure a good connection.

Infra-red Connection to a TBOS™ or TBOS-II™ controller

Connect the transmitter’s infra-red cord to the controller’s socket.

Turn on the Field Transmitter by pressing 3 seconds. Press OK to go on the main screen and select TBOS Infra-red.

The controller screen is displayed (identification number at the top), showing the date and the battery charge level. If irrigation is in progress, an irrigation icon is displayed, as well as the program, valve, and remaining run time.

Press OK to access all the programming functions.
**Disconnection**

From the Control Module main screen, press ← to disconnect and then select a new module in the list.

*Tip:* The list can be used again later via the menu **TBOS radio / TBOS List**, without requiring another search.

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**Programming functions**

From the Control Module main screen you have access to the following *(See next page for detailed menu):*

- Transmission Function: whatever the modification *(single parameter or complete irrigation program)*, it will be effective after transmission into the control module installed in the field.

- Manual Functions: Cancel irrigation, Manually start station, Manually start a program, test all stations.


- Water management functions: Water Budget per program, monthly Seasonal Adjustment, Rain Delay *(from 1 to 14 days)*

- Program review function.

- Program Template functions: up to 3 programs can be saved in the TBOS-II™ Field Transmitter in order to be transmit later to in-field Control Modules.

- Backup/Recall program functions: up to 3 programs can be saved in the Control Module in addition to the current program – You can manually recall any of them whenever you want or automatically recall one within a delay from 1 to 90 days.

- Customization Function: customize names of control modules or irrigation stations.

- Clear Programs Function.