



TBOS-II

Quick Reference Guide



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.

ABC

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

+ / ON / ↑

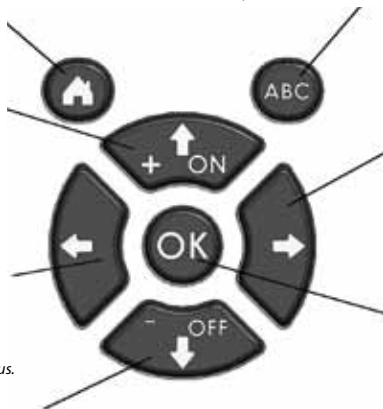
- Scroll upwards through the menus.
- Increase the numerical value (or higher value) in data input mode.



- 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).



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

OK

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



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:

🗨 Languages
<input checked="" type="checkbox"/> English
<input type="checkbox"/> French
<input type="checkbox"/> Spanish
<input type="checkbox"/> Italian

📅 Date format
<input checked="" type="checkbox"/> Month / day / year
<input type="checkbox"/> Day / month / year

🕒 Time format
<input type="checkbox"/> 12 hours
<input checked="" type="checkbox"/> 24 hours

🕒 Time
17:33

📅 Date
February 6 2010

17:33
TBOS II FT
February 6 2010


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.

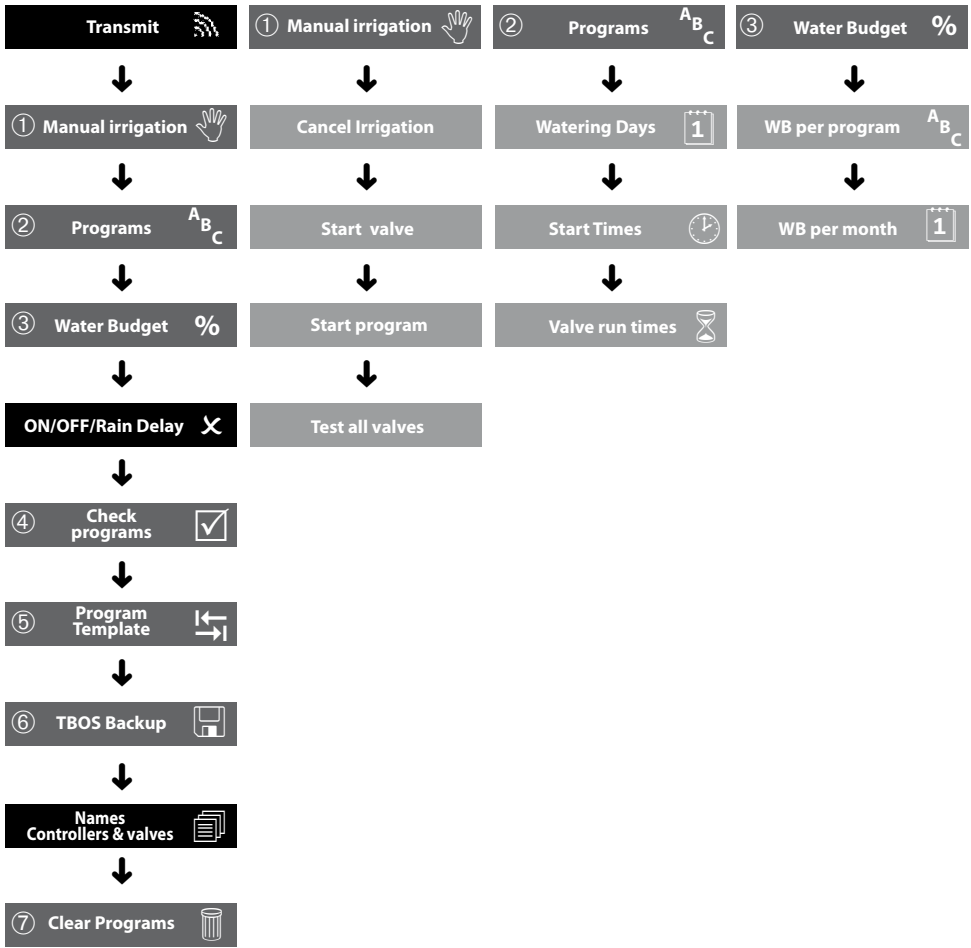
From the **Templates (TBOS-II)** menu you can access to all programming functions of the Field Transmitter offline, without being connected to Control Module.

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.



④ Check programs 



Review programs



Program run times



Valve run times



Sensor Settings



About

⑤ Program Template 



Save



Restore

⑥ TBOS Backup 



Save



Manual recall



Automatic Recall

⑦ Clear Programs 



Individual pgm



All programs



Restore default settings


INFRA-RED MODE

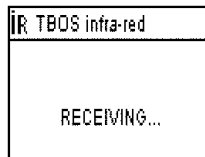
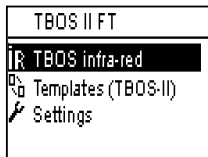
Connect the 9V battery in the TBOS-II Control Module. Properly fasten the rubber band to ensure a good connection.

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



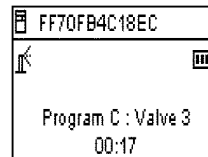
Connect the transmitter's infra-red cord to the controller's socket.

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.

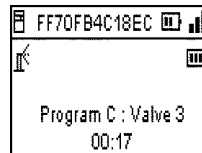
Press **OK** to access all the programming functions.



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.



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.
- Programming Functions: Watering Days, Start Times, Valve Run Times.
- 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.



RAIN BIRD CORPORATION

*6991 E.Southpoint Road
Tucson, AZ 85756
USA
www.rainbird.com*

Rain Bird Europe SNC

*900, rue Ampère, B.P. 72000
13792 Aix en Provence Cedex 3
FRANCE
www.rainbird.eu*