the smart home system you can program via an APP

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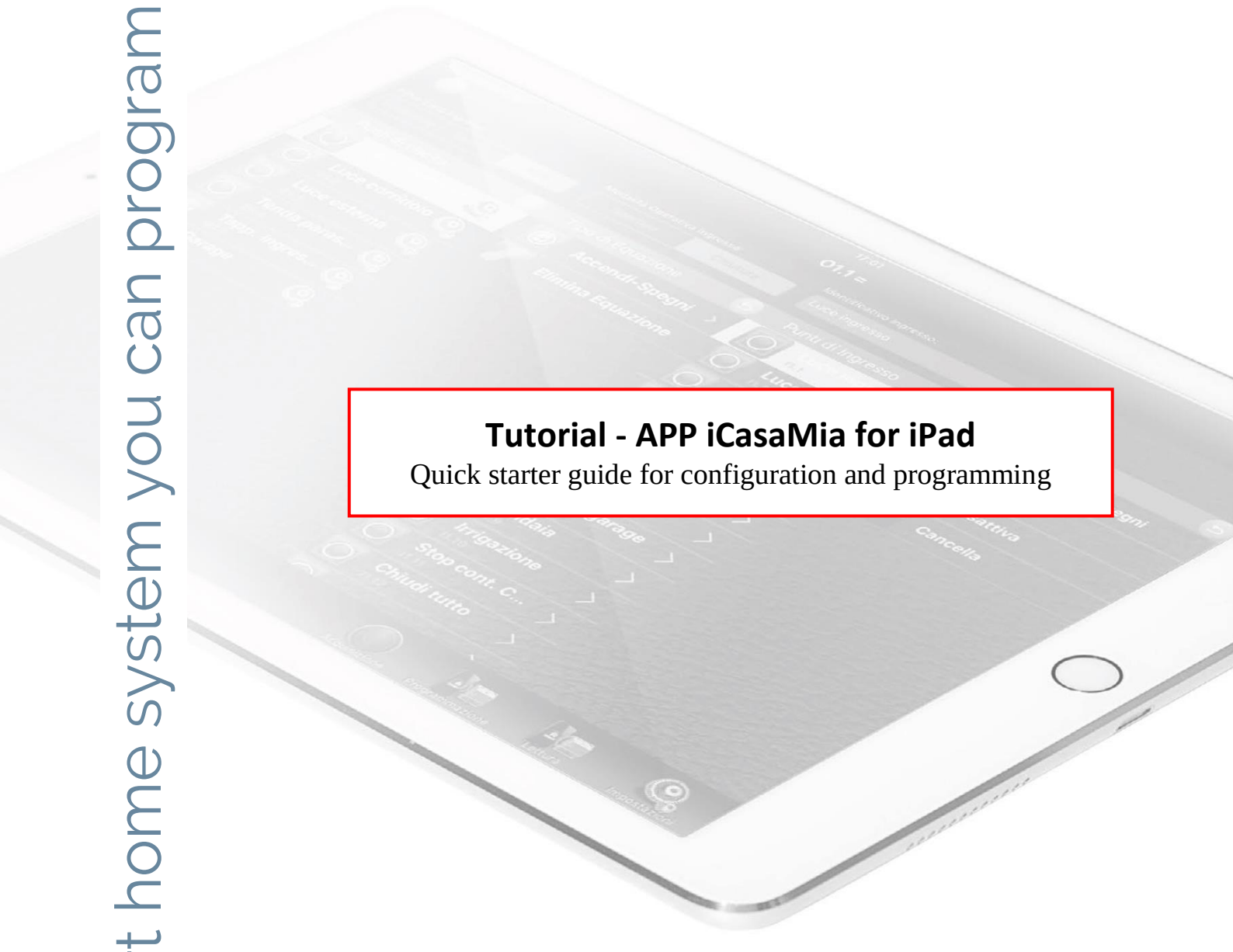
Domino



Tutorial - APP iCasaMia for iPad

Quick starter guide for configuration and programming

DUEMMEGI
HOME AND BUILDING AUTOMATION

Tutorial - APP iCasaMia for iPad

Quick starter guide for configuration and programming

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Preliminary operations

- Connect the modules to the bus, the DFPW power supply and the DFAPP interface. Make sure LED Poll on DFAPP is flashing.
- Turn on iPad and select Wi-Fi settings. Among the available networks, select "Duemmegi-DFAPP"
- Insert the password “dfappserver“
- Wait for the iPad to connect.
- From the home page select icon - iCasaMia - to run the app
- Upon first running, the app will automatically go to the page “iCasaMia”. In subsequent sessions, select the gear icon at the bottom right of the homepage toolbar
- In the Settings page, select the Network icon. The iPad will scan the network interface to search DFApp. When the operation is complete, a popup with the message "Found interface" will appear. Select "Yes".
- A new pop-up will ask you to choose a connection number select “1”
- Go to “Field Scan” select “Assign address” to assign an address to modules that don’t have an address yet
- The system will start scanning the field in order to allocate an address to all modules.
- Wait until the operations in this phase are complete (“Field scan”, “address allocation”, “Address verification”)
- Upon completion, the modules found will appear in the table “Module List”.

APP configuration and how to create and save a database

Wiring verification and, “Module List” input and output name allocation, Creating and saving database

- Select a module in “Module List“ clicking on it 

. In the “Module ID“ cell located above the “Module list“ Type in description to name a module (eg: Kitchen Module) then select enter. Choosing a custom name make it easier to recognise each module instead of using the name allocated automatically (eg: O1: DF8RIT).
  - The line will become 

- Repeat procedure for all modules available in “Module list“ to complete database.

- When a module from the list is selected, a “Point list” table will appear on the right and at the top a text box named “Point identifier”

- Select one by one the points in the list and rename them typing into the "Point ID" box (eg: kitchen table Light) then dial enter. This will make identifying the point easier than using the default name (eg: O1.1). This allows you to create the database of input and output points.

- For each output point selected, the buttons to control associated output will appear at the bottom right of the toolbar. Please note: The commands will only be visible for the output points

- Depending on the type of output there will be: Relè :
  - Relè two [bottons]: on/off
  - Shutter: three bottons: up/stop/down
  - Dimmer: a cursor to set intensity

- To identify the input point, at the bottom right of the toolbar select the green icon “Radar”  . Once the icon starts moving, activate the desired function. The line containing the selected function will be highlighted. Repeat the action applied to outputs and rename each input point.

- If the field features a programmable thermostat, a corresponding "Zone Climate" module will be listed among the modules: by selecting this module it is possible to assign a name to the area (eg .: "Living Area")

- In order to visualise parameters for the temperature zone, return to homepage selecting 

, then select 

- At the top of the temperature page, select the temperature zone you are interested in and set parameters such as set points, auto/manual and the weekly program.

- To program a specific temperature for the day, run your finger along the “Touch Pad” area and create a graph. Available options are 0 – T1 – T2 – T3. Save settings selecting  . This procedure must be repeated for each day if the daily programming is different. If programmings are equal for each day select  : the plan will be copied and saved automatically. Two independent program are available for “ Winter “  and “ Summer “ 

- Once finished, select  to return to “Module List”

- In order to start a heating or cooling system it is necessary that the relay that allows the system to start is activated through a selected input. Eg. "Heat request" from a specific zone timer thermostat. In this case as long as heat is requested, the contact remains closed and there is an "Output = Input" relation. To set this, go to the section c) "Field Programming" where "Direct" function is described.

VERY IMPORTANT

Once configuration and programming are complete, it is very important to transfer data from iPad to DFAPP module, both to save the program that all the other items in the database, such as the modules’ points’ names or to recover the program to configure a new tablet or smartphone. To do so, the settings screen, press “Share." From the “Setting” menu, select “Share"  , “Share database” and DFAPP as a device you want to share the database. Select  to transfer all the information, including the installation program.
This will allow copying and transferring programs and configurations to other devices through the DFAPP module.

System programming – installer use only, password-protected

Base steps: “On-Off“, “Motor“ , “Dimmer “ functions

- To program outputs depending on to inputs select in the table row related to the output in “point list” Senza avere il programma sottomano questa frase non ha alcun senso
- Installer password will be requested. Select “dfappserver”

- After typing the password the system program menu listing all the module’s outputs will appear.
- Select again on a specific point. The “Equation Type” list will appear, listing all the possible equation for that specific output.

- Each output can be programmed according to specific requirements.

“On-Off” Function , Also known as “Step-Step” o “Toggle”

- Select “On-Off“. Inputs point a list of output point will appear.

- Select relevant line 

, without touching, for now, the arrow on the right. Type a name In the “Input ID“cell to better identify the control point (EG: Kitchen Table control).

- Select the arrow to the right of the selected output. A list of possible actions will appear:
  - On-Off: (step-step or toggle) each touch on a selected output turns it on or off.
  - Activate: turns on the output
  - Deactivate: turns off the output

- Once the input function has been chosen, the line will move to the top of the list and highlighted in grey. The icon related to the selected action will be displayed.

- At the top of the screen, the equation showing the relationship between output and input is shown. In this case it is “O1.1 = T I1.1”.
- Repeat procedure for other inputs.
- When all inputs have been chosen proceed to module programming touching
- The icons “Start” and “Stop” will appear. Select “Start” and wait few seconds for the procedure to be complete. It will then be possible to test the settings on the field. Once completed, touch at the bottom right to go back to the “Settings” menu, where all the modules are listed.

"Motor" function to control curtains and shutters

- Select the gear icon of the output point linked to a shutter with the icon STOP in the "output list" in the equation menu. eg: 

- The "Equation type list", lists all possible equations for that specific exit type will appear. In this case only the "motor" equation is possible.
- Touch "Motor ". Input points will be dispalyed.
- Select relevant line 

, without touching, for now, the arrow on the right. Type a name in the "Input ID" text field to better identify the control input point (EG: Shutter Command).
- Touch the arrow to the right of the selected point, possible actions will be displayed:
  - Open
  - Close
  - Priority Open
  - Priority Close
  - Stop
  - Go to specific position
- Select instruction to be associated. Eg: Open
- Once the input function has been chosen, the line will move to the top of the list and highlighted in grey. The icon related to the selected action will be displayed.
- At the top of the screen, the equation showing the relationship between output and input is shown. In this case it is type "O1.1 = OI1.1" (where the letter O before I1.1 means Open).
- Repeat procedure for different instructions.
- When all inputs have been chosen proceed to module programming by touching
- The icons "Start" and "Stop" will appear. Select "Start" and wait few seconds for the procedure to be complete. It will then be possible to test the settings on the field. Once completed, touch at the bottom right to go back to the "Settings" menu, where all the modules are listed.

"Dimmer" function

- When a dimmer module in the "module list" is selected, the point list will appear. If necessary, rename each point selecting it and typing the new name in the "Point ID" Tab.
- Select the gear icon for the line of the output point linked to a dimmer. The menu with all the equations and "output point" will appear.
- Touch again the gear icon to display the "Equation Type" list
- Select "Equation type" touch "Dimmer" . The "Input point" menu will be displayed
- Select relevant line 

, without touching, for now, the arrow on the right. Type a name In the "Input ID" cell to better identify the control input point (EG: Livingroom Dimmer).
- Touch the arrow to the right of the selected point and possible instructions will be displayed:
  - Increase
  - Decrease
  - Single command for both increase and decrease
  - Set intensity at specific level
- Select desired instruction. eg: Mono
- Once the input function has been chosen, the line will move to the top of the list and highlighted in grey. The icon related to the selected action will be displayed.
- At the top of the screen, the equation showing the relationship between output and input can be found. In this case it is type "O1.1 = MI1.1" (where the letter M stand for 'Mono and means Single command).
- Repeat procedure for different instructions.
- When all inputs have been chosen proceed to module programming by touching
- The icons "Start" and "Stop" will appear. Select "Start" and wait few seconds for the procedure to be complete. It will then be possible to test the settings on the field. Once completed, touch at the bottom right to go back to the "Settings" menu, where all the modules are listed.

Advanced steps: “timer“, “direct“ , “series-parallel “ functions

“Timer“ function

- By selecting the “Timer” function in the “Equation type list”, it is possible to control the system outputs with timer functions: Timer, Impulse, Retriggerable impulse.
- Select relevant line 

, without touching, for now, the arrow on the right. Type a name In the “Input ID“ cell to better identify the control input point (EG: Livingroom Dimmer).
- Touch the arrow to the right of the selected point and timer options will be displayed:
  - Basic timer: the output is activated when the input stays active for the specified Te time (time for excitation) and is deactivated with a specified delay Td (time for de-excitation. Both timeframes are specified in relevant cells.
  - Timer P: impulse, the output is activated when the input is activated and deactivated with a delay described in the relevant tab. In this case, activation delay is not relevant and has to remain 0.
  - Timer PR: retriggerable impulse, the output is activated upon activation of the input and is deactivated after a delay described in the relevant tab. Each time an input becomes active the time count goes back to 0 and the impulse is prolonged. In this case, activation delay is not relevant and has to remain 0.
- Set Te and Td and select the action to be associated EG: Timer
- Once the input function has been chosen, the line will move to the top of the list and highlighted in grey. The icon related to the selected action will be displayed.
- At the top of the screen, the equation showing the relationship between output and input can be found. In this case it is type “O1.1 = TIMER (I1.1, 2, 3” (where 2 and 3 are selected delays in seconds).
- Proceed to module programming by touching
- The icons “Start” and “Stop” will appear. Select “Start” and wait few seconds for the procedure to be complete. It will then be possible to test the settings on the field. Once completed, touch at the bottom right to go back to the “Settings” menu, where all the modules are listed.

“Direct” function

- Direct function allows to link an output to an input as if there was a phisical link. The function is “point-point” or “output-input”. For example: To start a heating or cooling system according to a thermostat request, to action a pump in accordance to a floater and overall of anything that is related to a to a permanent input. In other words, if the input is active, the output contact is closed. Therefore “output=input”.

  Proceed as follows: select the gear next to the relay to be activated, in the following menu select “output=input”. Select the required input from the list displayed. Select the only option available “Output=Input” from the “action” menu. The equation will be displayed at the top of the screen. To finish setting select the “Programming” icon at the bottom right as usual.

- “Start” and “Stop” buttons will appear. Select “Start” and wait few seconds for the procedure to be complete. It will then be possible to test the settings on the field. Once completed, touch at the bottom right to go back to the “Settings” menu, where all the modules are listed.

"Series - Parallel" function

It is possible to create contact combinations in a series and in parallel using the "Series-parallel" function.

- In the initial "Setting" menu, select from the "point List" the output for the module to be controlled. Click on the icon next to it and reach the equation menu. Select again the exit point, the "Equation type" list will appear. Select the option "Series – Parallel" . The "input point" list will be displayed. We would like, for example, to control the output through two parallel contacts in series with a third contact.

- As we selected the "Series – Parallel" equation, clicking on the arrow to the right of the relevant input the "action" list with the option "in series with subsequent", "in parallel with subsequent" "end equation"

- As the example begins with parallel, let's select in parallel with subsequent" The first part of the equation we are creating will be displayed at the top of the screen.

- The input led will turn orange  as the parallel and will move to the top of the list reporting selected inputs in grey. A new part of the equation we are building will be displayed.

- We shall now select the input we want to link in parallel to the previous one following the same procedure. Select the arrow on the matching line and among possible "actions" select "in series with the next one". The output's LED will have a double colour, orange like its parallel at the top and purple as the series at the bottom  . It will move to the secon position from the top in the list reporting selected inputs in grey. A new part of the equation we are building will be displayed

- The previous selection already implies that the next input selected is in series with the previous. We therefore need to choose "End equation" in the "Action" menu. In fact, after this selection, no further input will be considered.

- The input LED will have a double colour: purple as the series at the top and "end of equation" black at the bottom. It will move to the third position from the top in the list reporting selected inputs in grey. A new part of the equation we are building will be displayed and it will allow us to double check the settings. We can now proceed to confirming the settings selecting the "programming" icon at the bottom right.

- "Start" and "Stop" buttons will appear. Select "Start" and wait few seconds for the procedure to be complete. It will then be possible to test the settings on the field. Once completed, touch at the bottom right to go back to the "Settings" menu, where all the modules are listed.

GENERIC

Module Catalogue, “Add a new Module”

It is possible to access the “Module Catalogue” list from the “Setting” menu. Here are listed all the modules correctly managed by iCasaMia, that match almost entirely the modules from the Domino Catalogue.
To access the “Module Catalogue” menu select “Edit” at the top left
Select relevant module from the “Address” tab and type the address above “Module Catalogue” then select ADD.
The message “module added to database” will be displayed” and a new module will be added to the list. Once finished select “End”

DF8RIT module configuration

The DF8RIT is a special module in which relè outputs can work both as single relès or as interblocked “Shutter control”. In order to simplify its use, the module is offered with the management of four shutters.

It is possible to edit the setting from the “equation” menu, selecting the “configuration”  icon. Select the module to be modified among the output points. The pop-up menu will allow to choose between a motor output driver (shutter, curtain, awning etc) or an ON/OFF load type (lamp, electrovalve etc.) Warning: when an output equation is edited, previous equations will be deleted as they will no longer be compatible with the new instructions. Proceed to elaborate new equations if necessary, Once completed, confirm settings by selecting “Programming” at the bottom right to transfer both the programs and the new configuration.

DFCK3 module configuration

The DFCK3 module allows programming according to timetables.
If the module is available in the “module list”, by clicking on it the “point list” is enabled. This allowes for 15 different timetables. In order to proceed it is necessary to rename the “point ID”, eg: Irrigation.

Select the 

icon to return to the iCasaMia menu, in the lower bar choose the program icon  and select the relevant timetable.
The “Programmer” page will be displayed. Add on and off timestamps in the four time lapses available. Instructions auto, on and off are available.

It is possible to copy time tables using the  icon.
Similarly to the programmable thermostat, it is necessary to link the programmed area to an output relay that controls the electro-valve. The next step is an “output=input” program. See description above.

DFMETEO module configuration

The DFMETEO module is used to visualize brightness, temperature and wind intensity values. If the module is availabe in the “Module list”, the “Point List” is enabled by clicking on it. Such list shows the values set for different thresholds as well as further information

Select the icon to return to the iCasaMia menu. Select the icon program in the lower bar and touch “Meteo Station “. A menu showing three thresholds to be set will be displayed.
Similarly to the programmable thermostat, it is necessary to link the programmed area to an output relay that controls the relevant output. The next step is an “output=input” program. See description above.

“Scenarios” e “Environments” configuration

Scenarios

In the “Scenarios” menu select “New” to create a scenario. Type in the “Scenario ID“ the name for the scenario to be create, eg. “Coming home” and select “Enter”.
After naming the scenario, choose form the“ Available Element” list the outputs to be added to the scenario. Once an element is tapped it turns grey and is moved to the “Scenario Element” list. The buttons necessary to set the relevant output status will be displayed at the bottom.

Environments

In the menu “Environment” type the name of the environment to be created (eg. Kitchen) in the “Environment ID”. After confirming the name, select the new name appeared: the menu “Environment elements” will be displayed. Select “Edit” a list of “available items” will be displayed. Selected relevant items and then confirm touching “End” at the top right.
Repeat procedure to create other environments.
To delete an environment run your finger from right to left on its name. A red “delete” button will appear.