TFA 60.2548.01

TFA Dostmann 60.2548.01 Digital Radio Alarm Clock Instruction Manual

Model: 60.2548.01

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1. INTRODUCTION

This manual provides instructions for the TFA Dostmann 60.2548.01 Digital Radio Alarm Clock. This device features a color display, outdoor temperature measurement via a wireless transmitter, indoor temperature display, a radio-controlled clock, and a USB charging port. Please read these instructions carefully before use to ensure proper operation and to maximize the product's lifespan.

2. PACKAGE CONTENTS

- 1x TFA Dostmann 60.2548.01 Digital Radio Alarm Clock
- 1x Power Adapter
- 1x TFA 30.3236.02 Outdoor Transmitter
- 2x 1.5V AA Batteries (for base unit)
- 2x 1.5V AAA Batteries (for transmitter)
- 1x Instruction Manual

3. PRODUCT FEATURES

- Color display with 2 brightness levels.
- Automatic color change (70 colors) or selectable fixed color.
- Radio-controlled clock (DCF77 signal) for precise time.
- Alarm function with snooze.
- Outdoor temperature display via wireless transmitter.
- Indoor temperature display.
- Date and day of the week in 7 languages.
- USB charging port (1A) for mobile devices.

- Time zone setting (+2/-1).

4. SETUP

4.1. Battery Installation

For the Outdoor Transmitter (TFA 30.3236.02):

1. Open the battery compartment cover on the back of the outdoor transmitter.
2. Insert 2x 1.5V AAA batteries, observing the correct polarity (+/-).
3. Close the battery compartment cover securely.

For the Main Unit (Alarm Clock):

1. Open the battery compartment cover on the back of the alarm clock.
2. Insert 2x 1.5V AA batteries, observing the correct polarity (+/-). These batteries serve as a backup for time settings during power outages.
3. Close the battery compartment cover securely.

Image: TFA 30.3236.02 Outdoor Transmitter. This image shows the back of the white outdoor temperature sensor, indicating where batteries are inserted.

4.2. Power Connection

Connect the provided power adapter to the DC input port on the back of the alarm clock and then plug it into a standard electrical outlet. The display will illuminate.

4.3. Initial Synchronization

Upon initial power-up, the alarm clock will automatically attempt to receive the DCF77 radio signal for time synchronization. This process may take several minutes. Ensure the clock is placed in an area with good reception, away from electronic interference. The outdoor transmitter will also attempt to connect with the main unit to display the outdoor temperature.

Image: TFA Dostmann 60.2548.01 Digital Radio Alarm Clock. This image displays the front of the alarm clock, showing the time, alarm time, indoor temperature, and outdoor temperature.

5. OPERATING INSTRUCTIONS

5.1. Display Brightness

The display brightness can be adjusted between 2 levels. Refer to the specific button on your device (usually labeled "LIGHT" or a sun icon) to cycle through the brightness settings.

5.2. Color Change Function

The alarm clock offers two display color modes:

- **Automatic Color Change:** The display will cycle through 70 different colors in smooth transitions.
- **Fixed Color:** You can select a single color to be displayed continuously.

Consult the manual's specific section on "Color Settings" for button controls to switch between modes and select colors.

5.3. Time and Date Settings

The clock automatically sets the time via the DCF77 radio signal. If manual adjustment is needed or for initial setup before signal reception:

1. Press and hold the "SET" or "MODE" button to enter time setting mode.
2. Use the "+" or "-" buttons to adjust hours, minutes, year, month, and day.
3. Press "SET" or "MODE" again to confirm each setting and move to the next.
4. You can also set the time zone (+2/-1) if your location differs from the DCF77 signal's default.
5. The day of the week can be displayed in 7 languages. Refer to the manual for language selection.

5.4. Alarm Function

To set the alarm:

1. Press the "ALARM" button to view the current alarm time.
2. Press and hold "ALARM" to enter alarm setting mode.
3. Use the "+" or "-" buttons to adjust the desired alarm hour and minute.
4. Press "ALARM" again to confirm.
5. To activate/deactivate the alarm, press the "ALARM" button briefly outside of setting mode. An alarm icon will appear/disappear on the display.

Snooze Function: When the alarm sounds, press the "SNOOZE" button (often a large button on top) to temporarily silence the alarm. The alarm will sound again after a few minutes (typically 5-10 minutes). To stop the alarm completely, press any other button.

5.5. Temperature Display

The alarm clock displays both indoor and outdoor temperatures.

- **Indoor Temperature:** Measured by a sensor within the main unit.
- **Outdoor Temperature:** Received wirelessly from the TFA 30.3236.02 outdoor transmitter. Ensure the transmitter is placed outdoors in a sheltered location, away from direct sunlight and rain, and within range (max. 60m) of the main unit.

If the outdoor temperature is not displayed, check the transmitter's batteries and its proximity to the main unit. You may need to manually initiate a search for the outdoor sensor (refer to the manual's "Sensor Search" section).

5.6. USB Charging Function

A USB charging port (1A) is located on the side or back of the alarm clock. You can use this port to charge mobile devices such as smartphones. Connect your device's USB charging cable to this port. Note that charging speed may vary depending on the device.

6. Maintenance

- Clean the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Avoid exposing the main unit to extreme temperatures, direct sunlight, or high humidity.
- Ensure the outdoor transmitter is protected from direct weather elements.
- Replace batteries in both the main unit (backup) and the outdoor transmitter when the low battery indicator appears or when performance degrades.

7. Troubleshooting

Problem	Possible Cause / Solution
No display or dim display.	Check if the power adapter is securely connected to both the clock and the power outlet. Ensure the power outlet is functional. Adjust display brightness settings.
Time is incorrect or not setting automatically.	Ensure the clock is in an area with good DCF77 signal reception (away from electronic devices, metal objects). Allow sufficient time for synchronization (up to several hours). Manually set the time if radio reception is consistently poor. Check time zone settings.
Outdoor temperature not displayed or incorrect.	Check and replace batteries in the outdoor transmitter. Ensure the outdoor transmitter is within the 60m range of the main unit. Relocate the transmitter to a more suitable position, away from direct sunlight or heat sources. Manually initiate a search for the outdoor sensor (refer to your manual for specific button combinations).
Alarm does not sound.	Ensure the alarm is activated (alarm icon visible on display). Check if the alarm volume is set appropriately (if adjustable).
USB charging not working.	Ensure the alarm clock is powered by the adapter (not just backup batteries). Check the USB cable and the device being charged. The USB port provides 1A; some devices may charge slower or not at all if they require higher current.

8. Specifications

Model	TFA Dostmann 60.2548.01
Display Type	Digital, Color

Power Source	Power Adapter (main), 2x 1.5V AA Batteries (backup), 2x 1.5V AAA Batteries (transmitter)
Outdoor Temperature Range	-20°C to +60°C (-4°F to +140°F)
Indoor Temperature Range	-10°C to +50°C (14°F to +122°F)
Wireless Transmission Range	Max. 60 meters (open area)
Transmission Frequency	433 MHz
USB Charging Output	1A
Dimensions (Main Unit)	215 x 75 x 30 mm (approx. 8.5 x 3 x 1.2 inches)
Weight (Main Unit)	511 g (approx. 1.1 lbs)

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support or further assistance, please visit the official TFA Dostmann website or contact their customer service department. Keep your purchase receipt as proof of purchase.