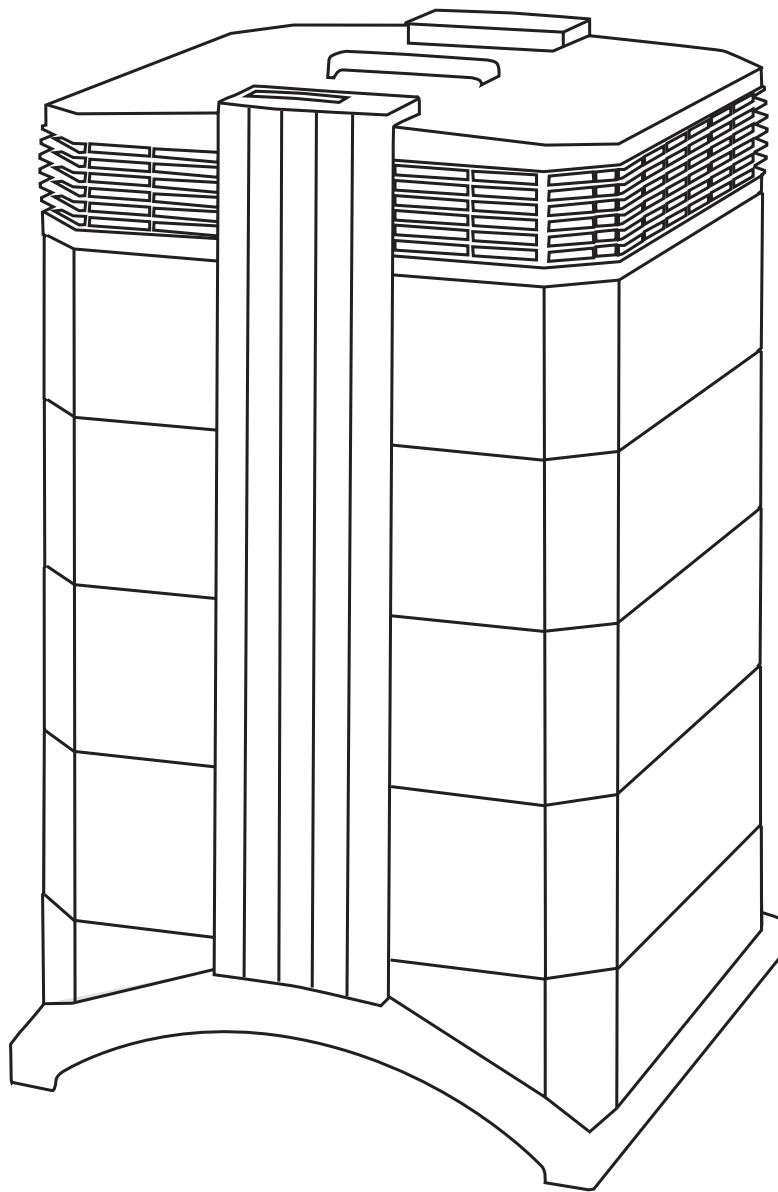# IQAir ®

First in Air Quality

HealthPro® Compact Plus

User Manual

Swiss Made

About This User Manual

Congratulations on your purchase of this IQAir high-performance air cleaning system. Please study this user manual carefully to familiarize yourself with the special features and functions of your IQAir system and keep it in a safe place for future reference.

Read these instructions before using the air cleaner:

- Do not use this air cleaner as sole protection against harmful pollutants.

- Do not immerse the air cleaner in water or other liquids.

- Always disconnect the power from this air cleaner by unplugging the power cord before adding or removing parts and before cleaning.

- Do not operate this air cleaner if it has a damaged cord or plug, if the motor fan fails to rotate, if it is not working properly, if it has been dropped or damaged, or dropped into water.

- If the power cord of this air cleaner should become damaged, it may be replaced with a similar two-pole cord, as is commonly used for computers and similar appliances. Replacement cords are available from IQAir.

- Only use this air cleaner for its intended purpose of air cleaning in non-industrial environments.

- Do not use this air cleaner in areas with very high concentrations of dust or powder to prevent the danger of dust explosions.

- Do not use this air cleaner in explosive areas.

- Do not use attachments or filters not recommended by IQAir.

- Do not use outdoors.

- Do not obstruct the air inlet and air outlet of the air cleaner.

- Do not place the air cleaner on a soft surface such as a bed or other soft furnishings.

- Only use this air cleaner in an upright position.

- Do not place next to a humidifier.

- Keep the power cord away from heated surfaces.

- Save these instructions for future reference.

Chapter 1 – Air Cleaning Systems and Indoor Air Quality

1.1 Improving Indoor Air Quality

Air cleaning can play an important role when it comes to improving indoor air quality. However, it should be noted that air cleaning should be used in conjunction with pollution source control and ventilation, wherever possible.

Strategy to improve indoor air quality
To tackle any indoor air quality problem, keep the following three-step strategy in mind:

1. Eliminate or reduce the air pollution source as much as possible. Source control is by far the most effective way to improve indoor air quality, since it sets out to deal with air pollution at the point of origin.

2. Ensure that sufficient fresh air is entering the room from outside. Air cleaners are not a substitution for sufficient ventilation. They are not able to reverse the conversion of oxygen (O_2) into carbon dioxide (CO_2), caused by breathing and combustion processes.

3. Ensure the IQAir system can clean enough air to cope with your room size. The actual hourly air volume cleaned by the system should be at least double the air volume of your room. If the rate at which pollutants enter the room air is high or the indoor air quality requirements are stringent, the hourly air delivery of the system needs to exceed the room air volume several times. To achieve that level of air turnover, it may be necessary to employ more than one IQAir system, or employ an IQAir HVAC filtration system. (Refer to section 4.3.2)

Air Cleaning Results
Although air cleaners may be advertised and sold to be suitable for use in specific indoor environments and to deal with specific indoor air quality problems, the manufacturer and distributors make no claim as to the specific air cleaning results that are achieved under the user's individual operating conditions. The air quality improvements that can be realized with the IQAir system (as with any air cleaner) in indoor environments depends to a significant degree on circumstantial factors which are out of the control of the manufacturer or distributors. Important factors which will influence the air quality improvements that can be achieved in an indoor environment with an air cleaner include:

- Type of air pollutants present and their filtration efficiency
- Intensity of the pollutant source(s)
- Pollutant concentration
- Size of the indoor environment (room size)
- Operating speed of the air cleaner
- Number of air cleaners placed in the indoor environment
- Saturation state of the filters in the air cleaner

Consult a qualified specialist to determine an effective and comprehensive indoor air quality strategy.

Caution: Intense concentration of pollutants may cause filters/cartridges to saturate or expire sooner than indicated by the control panel.

Chapter 2 – Setting Up

2.1 Unpacking

To unpack the IQAir system, open the top of the box and remove the square styrofoam pad which contains all accessories and product literature. Lay the box on its side, hold the system by the handle and pull it out of the box. Remove the plastic bag and foam belt. Keep the packaging for future transport and service needs.

IQAir Advanced Air Cleaning System
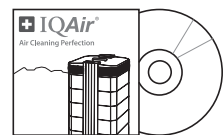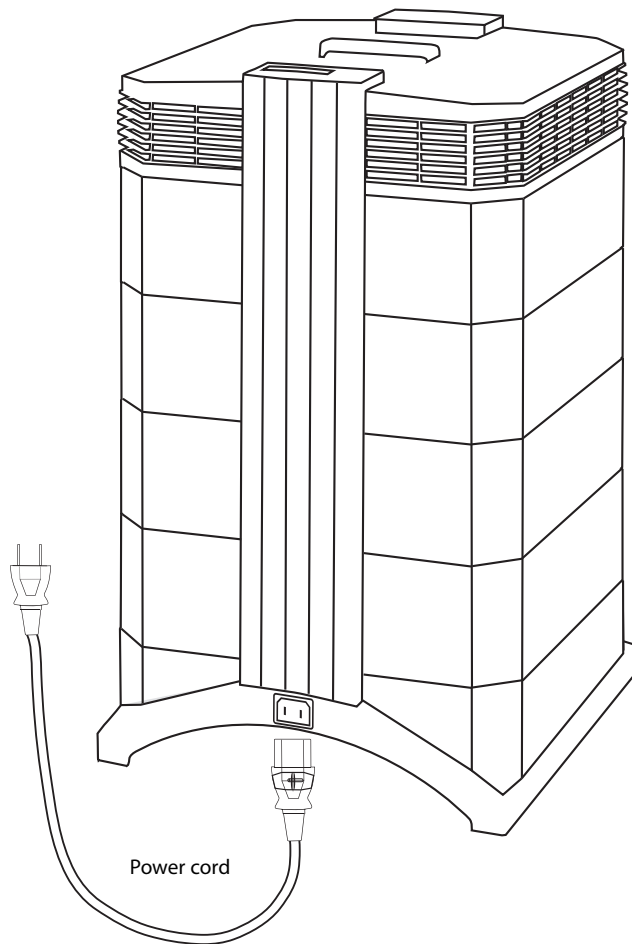
HealthPro Series DVD
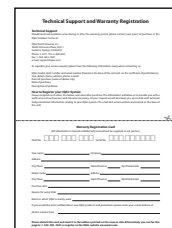
Technical Support / Warranty

Referral Program (Free pre-filter!)

Power cord
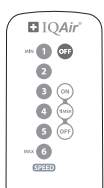
Remote Control Including Battery
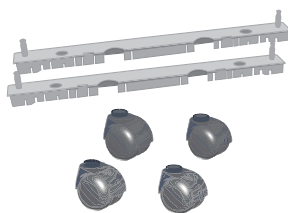
Set of Casters
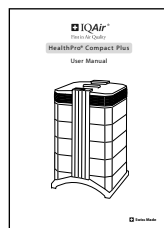
User Manual

Certificate of Performance
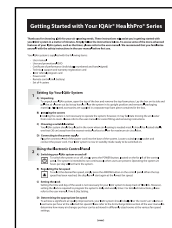
Getting Started Instructions

2.2 Choosing a Suitable Location

When choosing a suitable location for the IQAir system, keep the following considerations in mind:

• Choosing the most suitable room for the system will depend on where you would like the focus of the air cleaning efforts. Two main considerations are the time you spend in a particular room and the location of the main air pollution sources. As a general rule, the closer the system is located to the air pollution source, the better the air cleaning performance in the room.
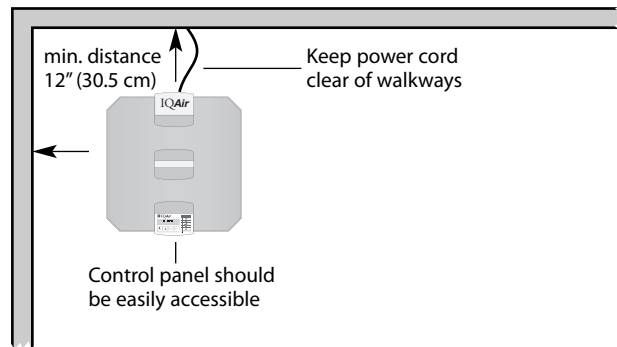
Although an air cleaning result may be achieved in adjacent rooms, the main air cleaning will take place in the room where the system is located. For the best air cleaning results in adjacent rooms, make sure that doors to these rooms are left wide open.

• For best performance, the system should be positioned at least 12 inches (30.5 cm) away from the nearest vertical surface, such as a wall or a cupboard. In general, the more centrally the system is positioned, the better the performance.
• Position the system close to a power outlet and make sure that the power cord is positioned in a way that it does not present an obstacle in walkways.
• Make sure that the system is positioned in such a way that the control panel is easily accessible.

2.3 Connecting to Power

1. Plug the connector end of the power cord into the recessed power inlet socket on the back of the system.
2. Plug the other end of the power cord into a power outlet or power strip.
   Important: The only way to disconnect power completely is to unplug the power cord. If the system is disconnected from the power supply for more than one hour, the current day and timer will need to be reset.

Do not use the IQAir system when the power cord becomes damaged. The power cord may be replaced with an approved cord with a two-pole plug. Replacement cords are available from IQAir.
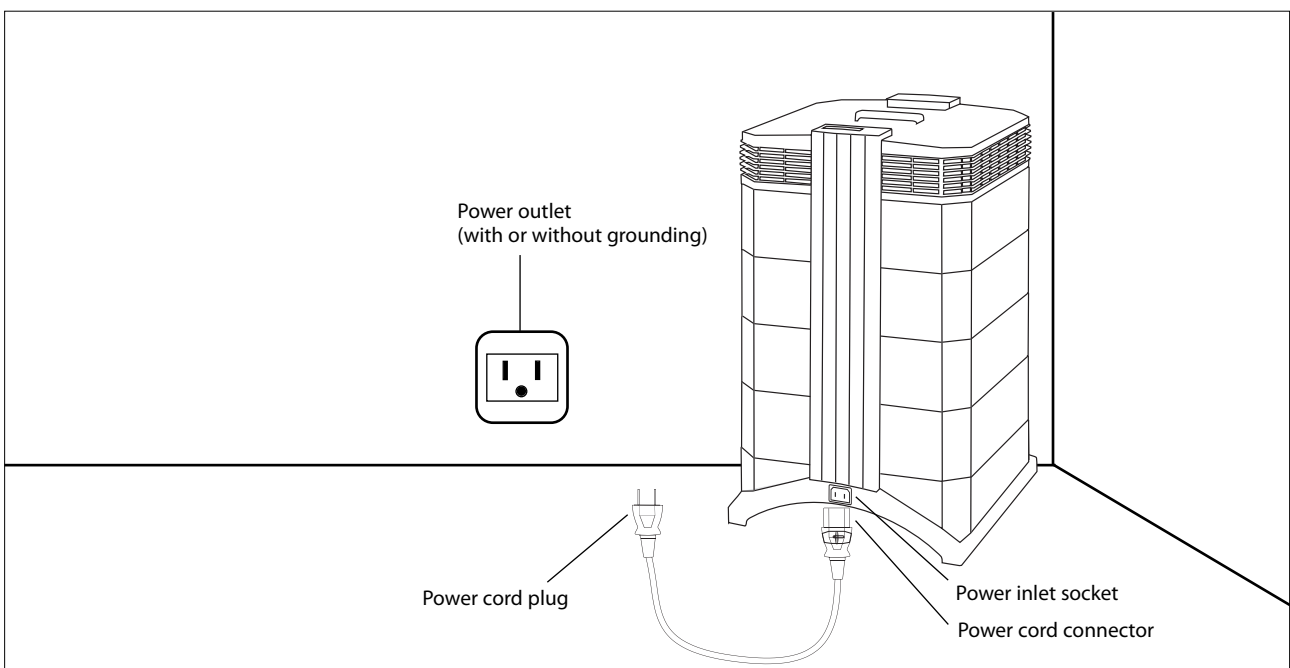
2.4 Fitting and Removing Casters
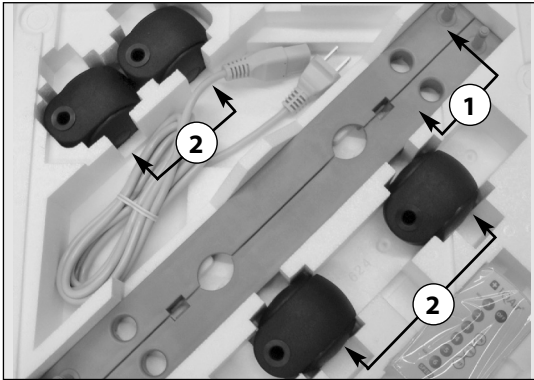
Attaching the supplied casters is optional. They make it easy to move the air purifier between rooms.

The Mobility Caster kit consists of:
1. mounting rail (x 2)
2. casters (x 4)

For installation simply follow the below instructions:
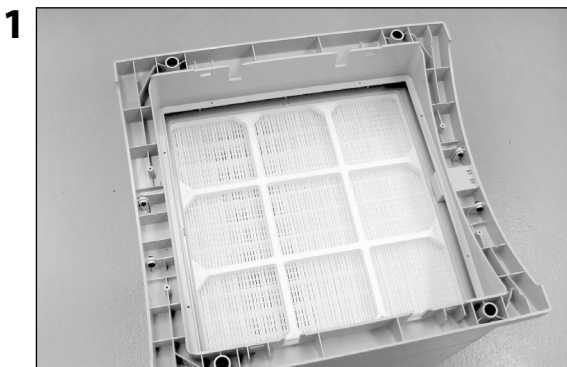
1

Turn the device upside down on a soft and clean surface.

2

crescent-shaped cut-ins
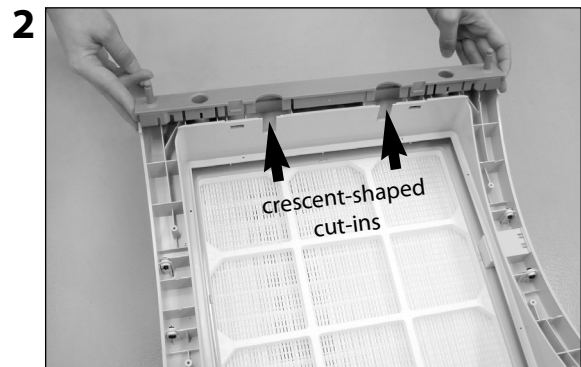
Place the mounting rail on the purifier's base so that the holes line up with the black connector pins on the base. The cut-ins should face the center of the unit.
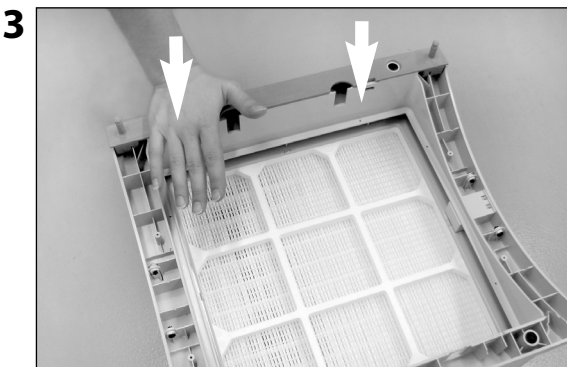
3

Press down until the mounting rail snaps into place. Repeat with second rail.

4

Place the caster onto caster pin.
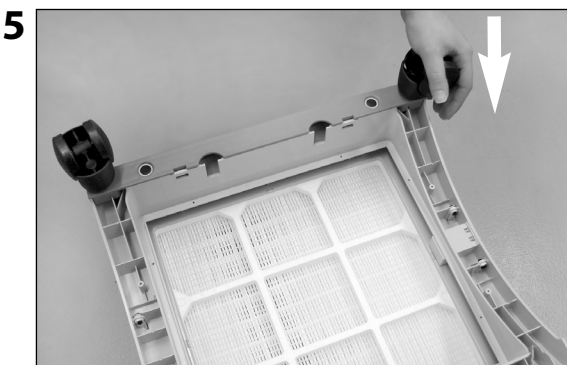
5

Press on caster, until it snaps into place. Repeat steps 4 and 5 with the remaining casters.

6

Ensure that each caster is securely fitted before placing the air purifier in its upright position onto the casters.

Removing Mobility Casters From Your IQAir Air Purifier

1

Switch the device off.

2
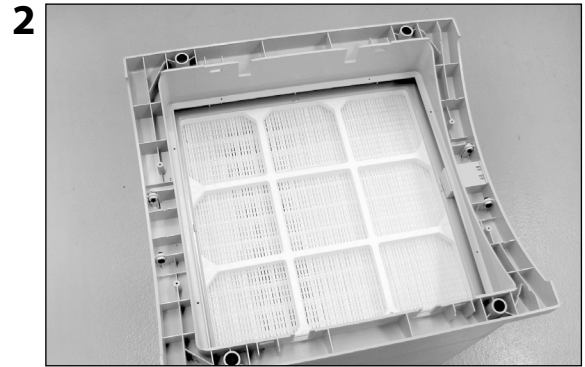
Turn the device upside down on a soft and clean area or surface.

3
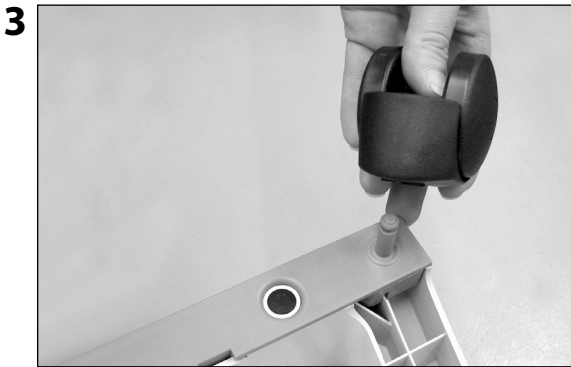
Remove each caster from the rail by pulling it straight off. The caster pins will be exposed.

4

There are two slotted tabs on each rail.

5
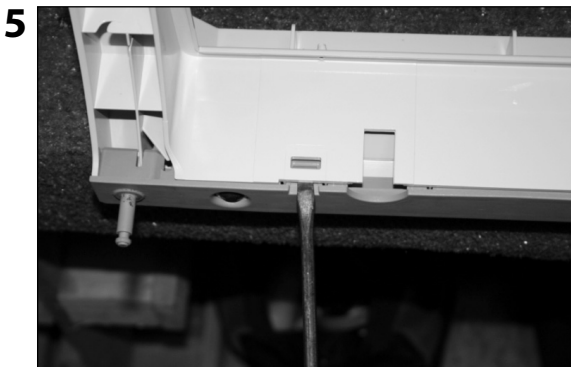
Using a flat-head screwdriver, press firmly into the slotted tab.

6
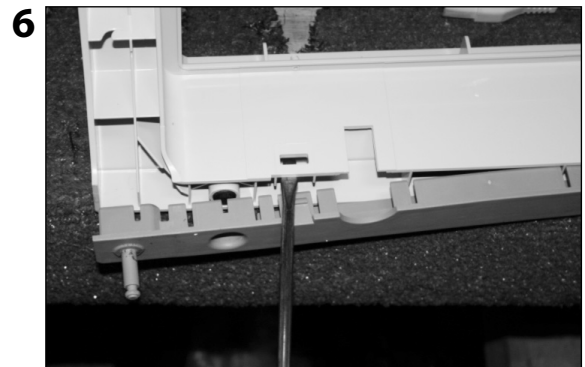
Use the screwdriver to gently loosen and lift the rail away from the base. Lift the rail out by hand. Repeat steps 5 and 6 for the second rail.

Chapter 3 – The IQAir® System's Components

3.1 Description of Housing Components

The IQAir system features a modular tower design in which all important filtration and air moving components are positioned vertically in-line, i.e. stacked on top of another. Air is drawn into the system at the base, and passes through several filter stages to be returned to the room via the diffuser on top of the system. The housing modules are held together by two locking arms.

Locking Arms

Handle

EvenFlow™ diffuser

Control Panel

Air outlet openings

HyperHEPA
Filter Module (Frame 2)

Fan assembly

Pre-Max MG
Filter Module (Frame 1)

Base
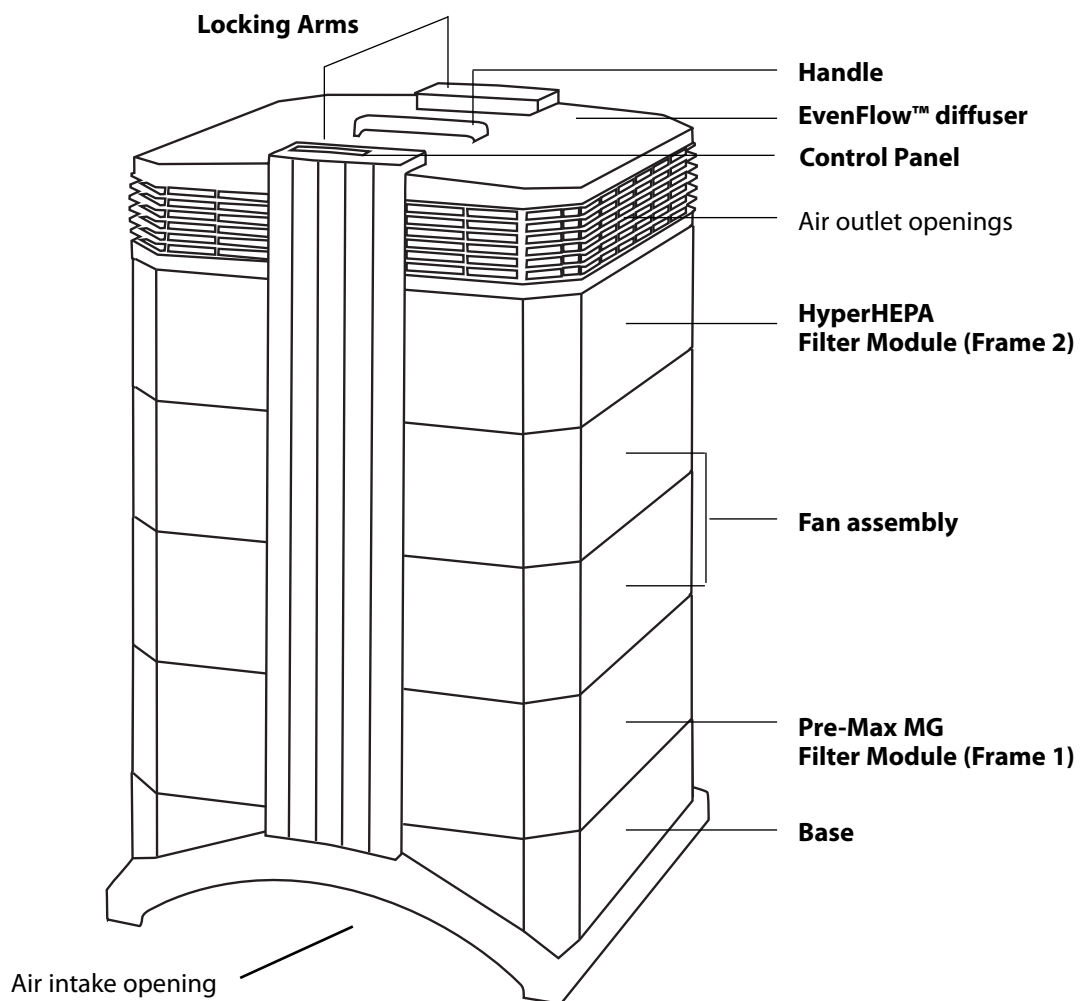
Air intake opening

- The **base** with its arched design features air intake openings on two sides.
- The **Pre-Max MG Filter module** consists of frame 1 and the Pre-Max MG Filter which is secured inside the frame by four filter clamps.
- The **fan assembly** comprises two housing modules with the centrifugal fan inside.
- The **HyperHEPA filter module** consists of frame 2 and the HyperHEPA filter.
- The **EvenFlow diffuser** contains omni-directional air outlet openings.
- The **handle** on top of the diffuser is designed for carrying the IQAir system.
- The **locking arms** hold the housing elements together. When opened, the locking arms allow easy access to all filters.

3.2 Description of Removable Components

The IQAir system features a modular housing design which enables the easy replacement of all filter elements in a matter of seconds. The illustration below shows all the removable components. For more details on how to replace filters, please refer to Chapter 6 – Replacing Filters.

EvenFlow diffuser

Frame 2

HyperHEPA filter

Filter clamps

Frame 1

Pre-Max MG Filter
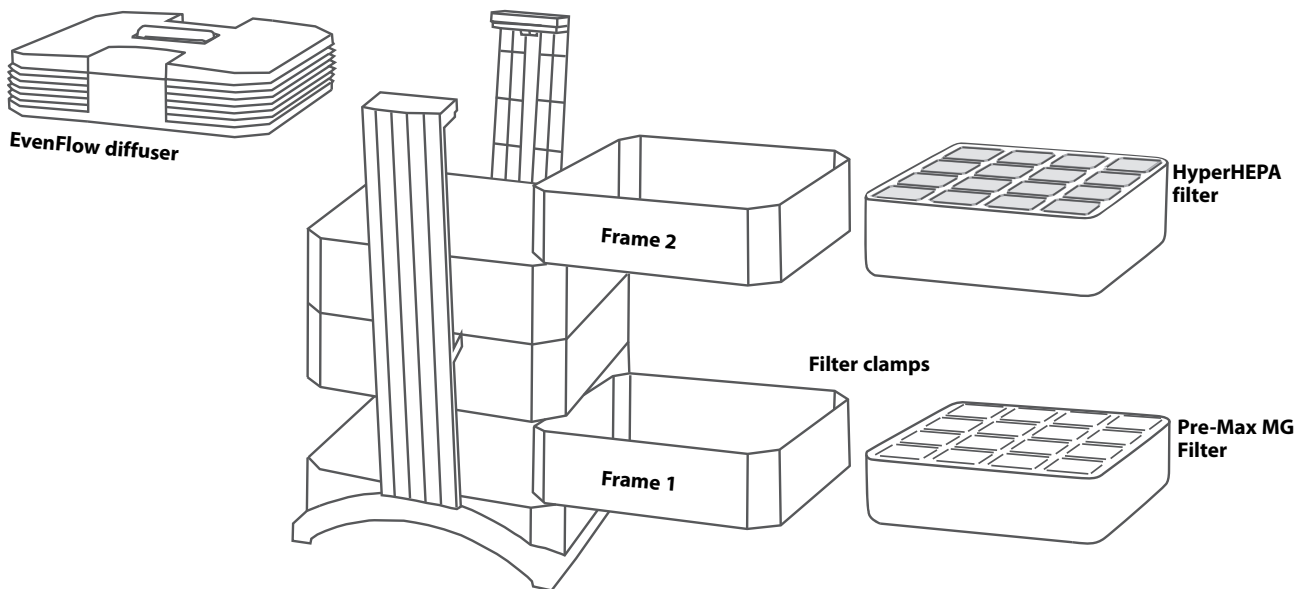
3.3 How the IQAir® System Works

1. Room air is drawn into the system via two arched openings at the base.

2. The air is drawn in through a two-stage Pre-filter that removes most coarse particles and then passes through a wide-spectrum gas and odor filter.

3. At the heart of the system, sandwiched between the filters, is a powerful centrifugal fan which generates the airflow.

4. The air is pushed through an advanced tightly pleated high-efficiency particulate air (HyperHEPA) filter media.

5. Low turbulence, low velocity air is returned to the room via the EvenFlow diffuser.
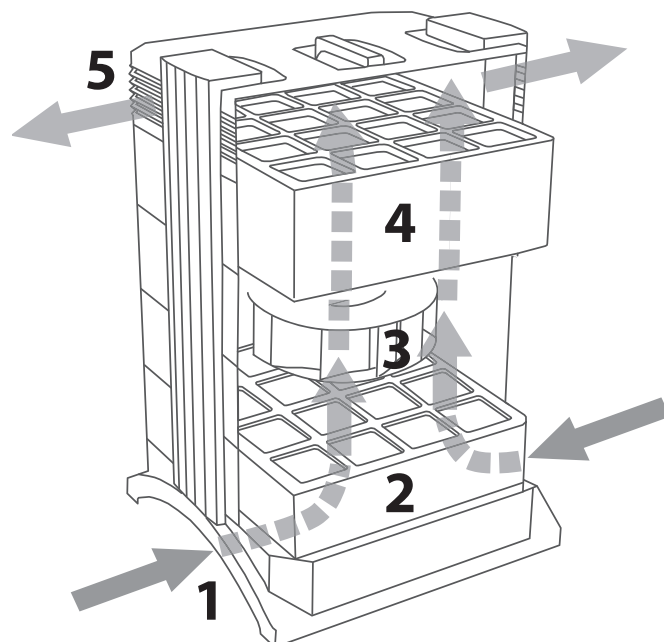
Chapter 4 – Using the Control Panel

The IQAir system is operated and controlled via the electronic control panel which is located at the top of the front locking arm.

Several operations can be completed via the electronic control panel:
- Switching the system on and off
- Controlling the fan speed and corresponding air delivery rate
- Checking the remaining filter life of the individual filters
- Setting the automatic timer
- Resetting the Filter Life Monitor after replacing a filter
- Locking the control panel to avoid tampering with the system's settings
- Choosing the desired display language
- Setting the day & time

4.1 Description of Control Panel

LCD = Liquid Crystal Display

SPEED: 3
Airflow: 110cfm

Timer LED

HyperHEPA Filter Life LED

Fan Speed LEDs

Pre-Filter Life LED

LED = Light Emitting Diode

Power Key   Arrow Key   Menu Key   Enter Key

LCD Display

The 2-line LCD displays important information about the system's settings.

In standby mode, (not running) without the timer activated, the first line displays the IQAir model name and the word "Standby" is displayed on the second line. If the timer is activated, the current day and time, and the next programmed start and stop time will be displayed instead.

If the IQAir system is running and the timer is not activated, the first line displays the current speed setting and the second line displays the corresponding ai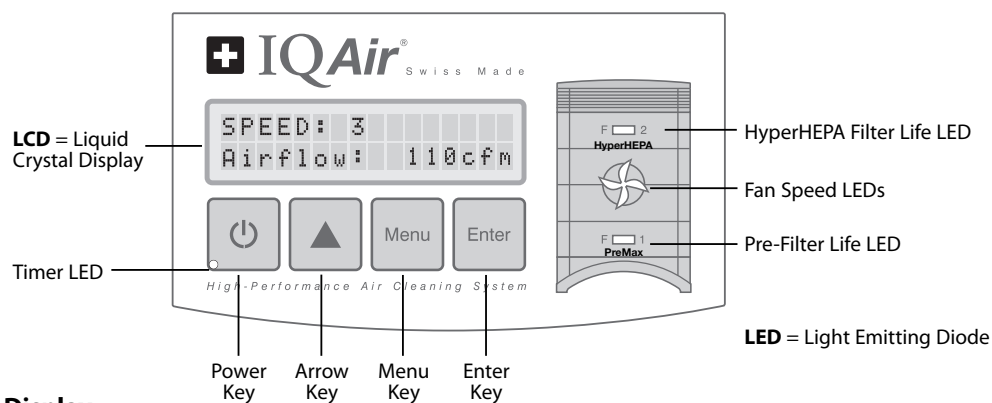r delivery rate of the system; however, when the timer is activated, the current programmed start and stop times (Timer ON period) will be displayed on the second line.

HealthPro CP
Standby

Main window: Standby mode

SPEED: 3
Airflow: 110cfm

Main window: On mode

REMAINING LIFE
PreMaxMG: 4300h
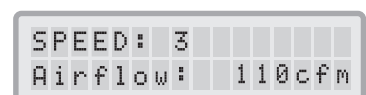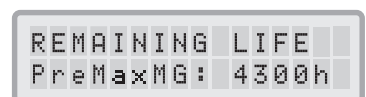
Menu window: Filter Life Monitor

4.1.1 Description of Control Panel Keys

Ⓤ   **Power Key**
The **Power** key switches the IQAir system on and off. When the system is switched off, the fan stops to run, but the system will remain connected to the power supply (standby mode). The standby mode allows for automatic timer start-up. In the standby mode, the different menu functions can be accessed.
Tip: In a menu window the **Power** key also serves as a quick exit key to return to the main display window.

▲   **Arrow (▲) Key**
When the system is switched on, the ▲ key allows the adjustment of the fan speed. In the enter mode, indicated by the appearance of a black flashing cursor (see "Enter Key" below), the ▲ key is used to modify the selected setting in the display window. Confirmed with the **Enter** key, the enter mode is automatically terminated. The LCD will then display the current menu settings for another 15 seconds before reverting to the main window display.

Menu ☐ **Menu Key**

The **Menu** key allows access to any one of ten menus. Pressing the **Menu** key once allows access to the first menu function. Pressing the **Menu** key twice allows access to the second menu function, and so on. If no key is pressed for 15 seconds in a menu window, the display will revert to the main display window. **Tip:** If you are in a menu window and would like to remain in the window for more than 15 seconds, keep the ▲ key depressed.

Enter ☐ **Enter Key**

The **Enter** key, if pressed for 3 seconds, allows the modification of a setting. The enter mode is indicated by a flashing cursor on the modifiable setting. Pressing the **Enter** key again will save any entry and move the cursor to the next modifiable item in the display window. When the last modifiable choice in a window is confirmed with the **Enter** key, the enter mode is automatically terminated and the new settings are saved.

Filter Life LEDs: Whenever the system is on, the color of the filter life LEDs (light emitting diodes) indicates the state of the individual filters in the system. **Note:** The positions of the filter life LEDs on the control panel correspond to the actual positions of the filters within the system.

The filter life indicator LEDs signal four possible stages in the life of the filter:
1. Green: The filter is still within 80% of its estimated life span.
2. Orange: The filter is approaching the last 20% of its estimated life span.
3. Red: The filter has reached the end of its estimated life span.
4. Red blinking: The filter has passed its estimated life span and should be replaced immediately with an IQAir® filter. The IQAir system's effectiveness is likely to have been reduced dramatically, either due to a reduction in airflow (particle filters are clogged) or a reduction in filter efficiency (gas phase filter is saturated).

Fan Speed LEDs: These LEDs simulate the fan speed through the frequency of their rotation. The faster the rotation of the fan speed LEDs, the faster the actual fan speed of the unit.

4.2 Control Panel Locking Function

The control panel keys can be locked to avoid tampering with the settings. To lock or unlock the control panel keys, the **Menu** and the **Enter** key have to be pressed down simultaneously for 3 seconds. The activated locking function is indicated with a star symbol in the control panel display. The remote control will still operate the IQAir system when the locking function is activated, only the control panel keys are locked.
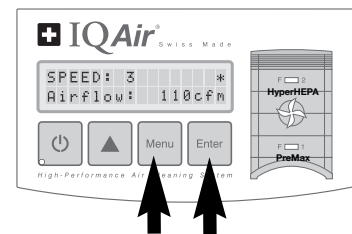
4.3 Fan Speed and Air Delivery

The IQAir system can be set to run at six different fan speeds which correspond to six different airflow rates. Speed 1 is the lowest, speed 6 the highest fan speed. The higher the fan speed, the more room air will be filtered by the system. The high fan speed settings provide additional air cleaning power to deal with situations of elevated pollution levels.

To allow better evaluation of the system's performance at different fan speeds, the standard display window shows not only the fan speed, but also the air delivery rate (airflow). The displayed airflow is factory preset and is not measured by the system itself. (When Timer is activated, the display will change. Refer to section 4.4.6.)

4.3.1 Regulating Fan Speed

1. When the IQAir system is switched off (standby mode), the first line of the LCD display shows the model name. To switch the system on, press the **Power** key on the far left of the control panel.

2. The LCD now displays the fan speed and the corresponding airflow rate. **Note**: The system starts at the fan speed at which it was running when it was last used.

3. To change the fan speed, press the ▲ key.
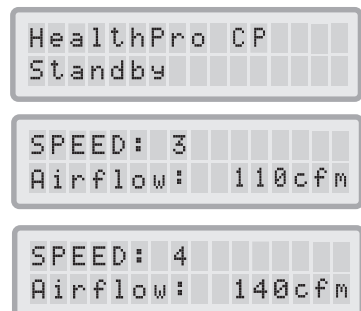
4.3.2 Air Exchange Rates in Differently Sized Rooms

Any air cleaner can only be effective if it filters a sufficient amount of air in an indoor environment. For general air cleaning purposes, the IQAir system should be able to filter the room air volume at least twice every hour on the set fan speed to achieve a significant air quality improvement. If the intensity of the pollution source is high or a high degree of purification is needed, more air changes may become necessary. In order to achieve the desired number of air changes, more than one room air cleaner may be required, or a HVAC filtration system should be considered.

The number of air changes that are necessary to attain a certain level of indoor air quality will depend on a variety of factors, including:

- **Intensity of air pollution source:** The higher the rate at which air pollutants are produced or enter the indoor environment, the higher the air cleaning rate in the room needs to be.
- **Filtration efficiency for specific air pollutants:** The lower the filtration efficiency for certain pollutants, the more air changes are required to reduce these pollutants.
- **Desired improvement in air quality:** The higher the desired improvement in air quality, the more air changes are required.

The number of air changes per hour (ACH) produced by an IQAir system in a specific environment are calculated as follows:

$$\frac{\text{hourly air delivery of the IQAir system (cfm = cubic feet per minute) x 60}}{\text{air volume of the room (cu.ft.) (L x W x H)}} = \text{air changes per hour (ACH)}$$

Note: The air delivery rates of the IQAir system at the various fan speeds settings are listed on the Technical Specifications sheet found at the back of this manual or visit www.iqair.com/support.

Example calculation: A room with the dimensions of 13 x 14 x 8 ft. has an air volume of 1,456 cu.ft. With an air delivery rate of 140 cfm, the room air volume will be circulated over 5.7 times per hour by the IQAir system (140 cfm = 140 x 60 min = 8,400 cu.ft/h; 8,400 cu.ft/h ÷ 1,456 cu.ft = 5.77 ACH).

4.4 Using the Menu Functions

The IQAir control panel offers a choice of several menu options which allow access to the advanced features of the system. In total there are ten active menu functions. The functions can be accessed in standby or running mode.

4.4.1 Menu Overview

Pressing the **Menu** key accesses the menu functions in the following order:

1. **Filter Life Monitor (Remaining Life)**
   Allows the viewing of the remaining filter life of the individual filters within the system.

```
REMAINING LIFE
PreMaxMG:   400h
```

2. **Setting the Timer ON period (Auto Timer: ON)**
   Allows to activate the timer and set the Timer ON period. Time is displayed in a 24 hrs. clock, military time.

```
AUTO TIMER: OFF
 00:00 → 00:00
```

3. **Automatic Timer (Day of-the-Week Timer)**
   Allows to activate or deactivate the Timer ON period on particular days of the week.

```
Mo Tu W T F S Su
 *  *  * *  *  *  *
```

4. **Timer ON Speed Selection**
   Allows to set the fan speed for the Timer ON period.

```
Timer ON Speed:
       4
```

5. **Timer OFF Speed Selection**
   Allows to set the fan speed outside the Timer ON period.
   Refer to section 4.4.5.

```
Timer OFF Speed:
       0
```

6. **Time & Day Setting**
   Allows to set the current time and day setting.

```
TIME     00:00
DAY      Mo
```

7. Filter Life Reset
Allows the resetting of the filter life counter after replacing a filter.

```
NEW FILTER
```

8. Airflow Units
Allows to switch the airflow units between cfm (cubic feet per minute) and m³/h (cubic meters per hour).

```
Airflow Units
cfm
```

9. Language
Allows to switch the display language.

```
LANGUAGE
English
```

10. Service Access
This menu is designed for factory access only.

```
Service Access
```

4.4.2 Filter Life Monitor

The IQAir system is equipped with an electronic Filter Life Monitor that calculates the remaining life of the system's filters. Thanks to the Filter Life Monitor, the user does not have to guess when filters need to be replaced or replace them at fixed intervals (which rarely correspond to the actual amount of use). The Filter Life Monitor keeps track of the most important factors affecting the life of the individual filters. The Filter Life Monitor display shows the remaining life of each individual filter at any given time at the selected fan speed.

1. To reach the Filter Life Monitor Menu from the main display window, press the **Menu** key once. The remaining life of the PreMax MG filter will appear.

```
REMAINING LIFE
PreMaxMG:   400h
```

2. Press the ▲ key to view the remaining life of the other filters in the system.

3. The remaining life of the filters is expressed in hours of operation at the current speed setting. Filter Life will adjust whenever the fan speed is changed. If the filter is beyond its useful life, a negative number will be displayed.

```
REMAINING LIFE
HyperHEPA:10000h
```
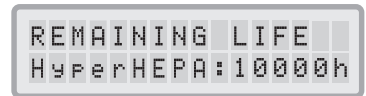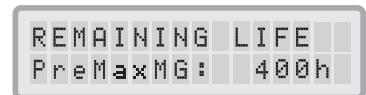
How the Filter Life Monitor Works

The basis for the calculating of the remaining filter life is the already elapsed operation time at the set fan speed. This input is compared with an internal memory bank which contains information about the different filters' lives under specific conditions of use.

The Filter Life Monitor makes a calculation of the remaining filter life, taking into account not only past use of the system, but also likely future use. As reference for future use, the Filter Life Monitor uses the fan speed which is set at the time.

The relationship between the current fan speed and the remaining filter life displayed can be expressed as follows:

• The higher the current fan speed setting, the shorter the displayed remaining filter life.

4.4.3 Setting the Auto Timer

The Auto Timer Menu allows the setting of a Timer ON period, which is defined by a START time and a STOP time. For the Timer ON period, a fan speed can be selected in the Timer ON Fan Speed Menu (see 4.4.5). The time outside the Timer ON period is defined as the Timer OFF period for which the air cleaner can be switched off or for which a different fan speed can be selected in the Timer OFF Fan Speed Menu (see 4.4.5).

The timer status field indicates whether the timer function is enabled or disabled (on or off). Use the time status field to quickly enable/disable the timer e.g. for holiday.

timer status field

```
AUTO TIMER: OFF
   00:00 → 00:00
```
start time   stop time

1. To reach the Auto Timer Menu from the main display window, press the **Menu** key twice.

```
AUTO TIMER: OFF
   00:00 → 00:00
```

2. Press and hold the **Enter** key until the cursor starts to flash.

```
AUTO TIMER: ON
   00:00 → 00:00
```

3. Press the ▲ key one time to activate the timer.
   Note: If the START and STOP times are identical, the timer cannot be activated.
   Note: The time is displayed in a 24 hrs. clock, military time.

```
AUTO TIMER: ON
   00:00 → 00:00
```

4. Press the **Enter** key to save the timer status setting and to proceed to the START time.

```
AUTO TIMER: ON
   07:00 → 00:00
```

5. Select the desired START hour by pressing the ▲ key.

```
AUTO TIMER: ON
   07:00 → 00:00
```

6. Press the **Enter** key to save the START hour and to proceed to the minute setting.

```
AUTO TIMER: ON
   07:30 → 00:00
```

7. Select the desired START minute setting by pressing the ▲ key.
   Note: The minute settings can only be set in five minute increments.

```
AUTO TIMER: ON
   07:30 → 00:00
```

8. Press the **Enter** key to save the minute setting, save the START time and to proceed to the STOP time setting.

```
AUTO TIMER: ON
   07:30 → 18:00
```

9. Select the desired STOP hour by pressing the ▲ key.

```
AUTO TIMER: ON
   07:30 → 18:00
```

10. Press the **Enter** key to save the STOP hour and to proceed to the minute setting.

```
AUTO TIMER: ON
   07:30 → 18:30
```

11. Select the desired STOP minute setting by pressing the ▲ key.

```
AUTO TIMER: ON
   07:30 → 18:30
```

12. Press the **Enter** key to save the STOP minute setting, save the STOP time and to exit the enter mode.

Note: The times are displayed in a 24-hour clock.
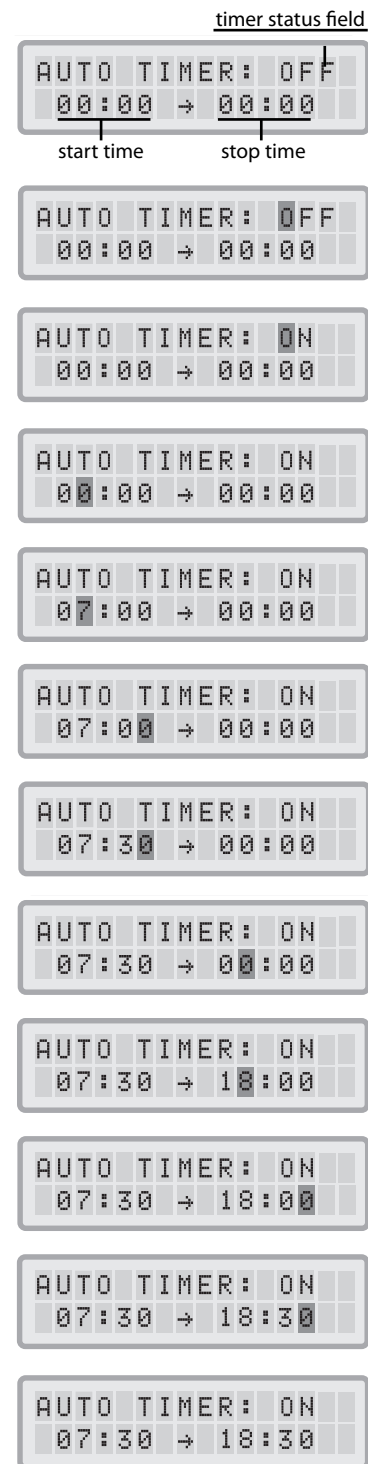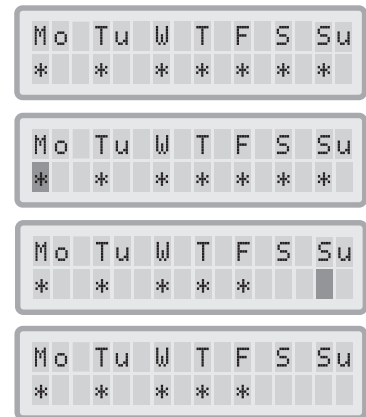
4.4.4 Day-of-the-Week Timer

The Day-of-the-Week Timer allows the deactivation of the Timer ON period on certain days of the week. In its default setting the Timer ON period is enabled on all seven days of the week. This is indicated by stars below the abbreviations of the days. On days without a star the air cleaner will be running at the speed which is set in the Timer OFF Speed Selection Menu (see 4.4.5)

Note: At least one day of the week must be activated with a star to be able to run the timer. If the timer is disabled on all days of the week, the timer status field in the Auto Timer Menu will switch to OFF and the timer will be disabled.
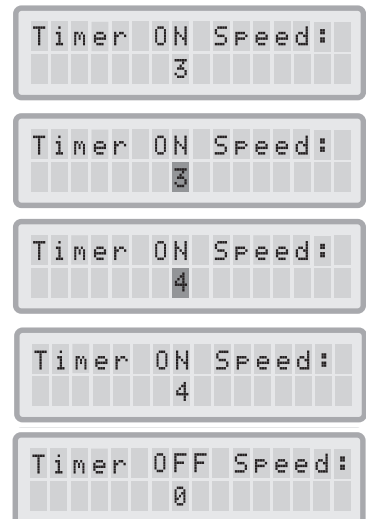
1. To reach the Weekly Timer Menu from the main display window, press the **Menu** key three times.

2. Press and hold the **Enter** key until the cursor appears.

3. Press the ▲ key to activate (star) or deactivate (no star) the Timer ON period on a particular day. Press the **Enter** key to proceed to the next day.

4. Repeat the same procedure until the timer has been activated/deactivated on the desired days. The final **Enter** command exits the enter mode.

```
Mo Tu W T F S Su
 *  *  * * * * *
```

```
Mo Tu W T F S Su
 *  *  * * * * *
```

```
Mo Tu W T F S Su
 *  *  * * *
```

```
Mo Tu W T F S Su
 *  *  * * *
```

4.4.5 Timer ON/OFF Fan Speed Selection Menu

The Timer ON/OFF Fan Speed Selection Menus allow the setting of two different fan speeds for two different time periods (referred to as Timer ON period and Timer OFF period). For the Timer ON period you can select fan speeds 1 to 6. For the Timer OFF period you can select fan speeds 0 (OFF) to 6.

1. To reach the Timer ON Fan Speed Selection Menu from the main display window, press the **Menu** key four times.

2. Press and hold the **Enter** key until the black cursor appears.

3. Press the ▲ key to select the desired speed for the Timer ON period.

4. Press the **Enter** key to confirm the chosen speed and to exit the enter mode.

5. To set the Timer OFF period fan speed, press the **Menu** key one more time. Press and hold the **Enter** key until the black cursor appears and adjust the Timer OFF fan speed as above. The final **Enter** command saves the selection and exits the enter mode.
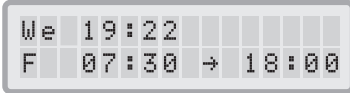
```
Timer ON Speed:
       3
```

```
Timer ON Speed:
       3
```

```
Timer ON Speed:
       4
```

```
Timer ON Speed:
       4
```

```
Timer OFF Speed:
       0
```

4.4.6 Timer Information in the Control Panel

The IQAir control panel shows the timer status without the need to access the Timer related menus.

Timer Deactivated

	Display's Main Window	**Timer LED**

System on Standby: The first line shows the model name and the second line shows the word "Standby". The Timer LED is red, when the time is not set.

```
HealthPro CP
Standby
```
• System is on standby
• Timer is deactivated

red

System Running: The first line shows the fan speed and the second line shows the airflow. The Timer LED is off.

```
SPEED: 1
Airflow:   30cfm
```
• System is running
• Timer is deactivated

off

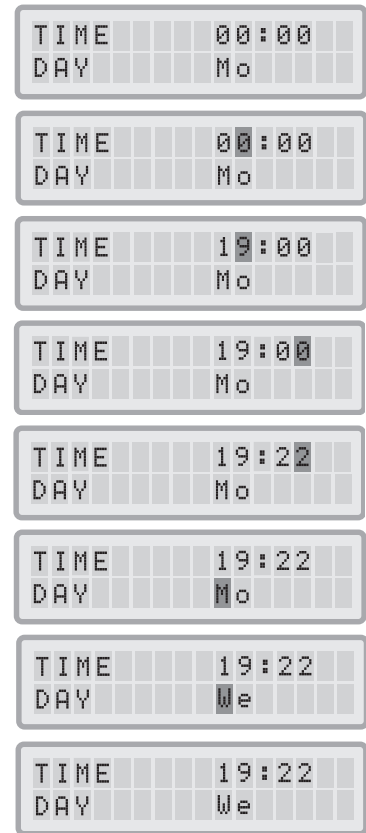**Timer Activated**

	Display's Main Window	**Timer LED**

System on Standby: The first line shows the current day & time and and the second line shows the next time the system will turn on. The Timer LED is green.

```
We 19:22
F  07:30 → 18:00
```
• System is on standby
• Timer activated to start on Friday

green

System Running: The first line shows the fan speed and the second line shows the current Timer ON period (start and stop times). The Timer LED is green.

```
SPEED: 1
F  07:30 → 18:00
```
• System is running
• Timer is activated

green

4.4.7 Time & Day Setting

When the IQAir system is first connected to the power, the day and time displayed will be incorrect and will have to be set for the timer function to work properly. Once the current day and time are set, they will only need to be reset if the system is disconnected from the power supply for more than an hour.

1. To access the Time & Day menu from the main display window, press the **Menu** key six times.

2. Press and hold the **Enter** key until the cursor starts to flash.

3. Select the hour by pressing the ▲ key.

4. Press the **Enter** key to save the hour setting and to proceed to the minute setting.

5. Select the minutes by pressing the ▲ key.

6. Press the **Enter** key to save the minute setting and to proceed to the day setting.

7. Select the day of the week by pressing the ▲ key.

8. Press the **Enter** key to save the day setting and to exit the enter mode.

9. Press the **Power** key to return to the main display. **Note:** The display will automatically return to the main window if no key is pressed for 15 seconds.

```
TIME      00:00
DAY       Mo
```

```
TIME      00:00
DAY       Mo
```

```
TIME      19:00
DAY       Mo
```

```
TIME      19:00
DAY       Mo
```

```
TIME      19:22
DAY       Mo
```

```
TIME      19:22
DAY       Mo
```

```
TIME      19:22
DAY       We
```

```
TIME      19:22
DAY       We
```

4.4.8 Filter Life Reset (New Filter)

The Filter Life Reset function allows the Filter Life Monitor to be reset after a new filter has been inserted. As a result, the appropriate filter life LED on the control panel will be reset to green and the hour count in the Filter Life Reset display will be reset to the full life span of the new filter. **Note:** Resetting the Filter Life Monitor will also cancel the "Replace Filter" warning from the main display window.

```
We 19:22
Replace Filter
```

Important: To safeguard against inadvertently resetting the life of the wrong filter, the filter selection needs to be confirmed twice by pressing the **Enter** key. Refer to steps 4 and 5 below. If the wrong filter has been selected, or if you wish to exit the Enter mode, press the **Menu** key. This will leave the Filter Life Reset unaffected and return you to the Main display. **Note:** If no key is pressed for 15 seconds in a menu window, the display will revert to the main display window.

```
NEW FILTER
```

```
NEW FILTER
PreMaxMG:
```

1. To reach the Filter Life Reset function from the main display window, press the **Menu** key seven times.

2. Press and hold the **Enter** key until the flashing cursor appears. The first filter selection to appear is the PreMax MG Filter. Release the **Enter** key.

```
NEW FILTER
HyperHEPA
```

3. Press the ▲ key to select the filter that has been replaced. The Filter Life LED for the appropriate filter is currently flashing red.

4. Press the **Enter** key to confirm that the selected filter has been replaced.

5. To re-confirm the filter change, press the **Enter** key. To exit the Filter Life Reset window, press the **Menu** key.

6. Upon successful reset of the filter life, the new remaining filter life (taking the currently selected fan speed into account) will be displayed, and the filter LED light on the control panel will change from red to green.

```
REMAINING LIFE
HyperHEPA:10000h
```
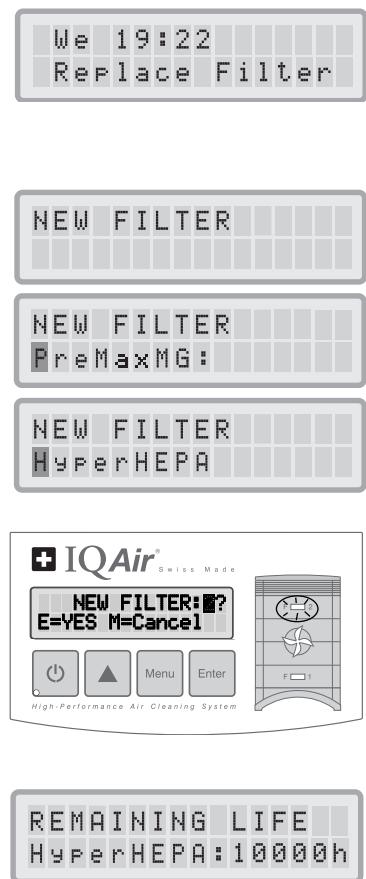
4.4.9 Changing the Airflow Units

1. You can reach the airflow units menu by pressing the menu key eight times.

2. You can change the airflow units which are displayed from cubic feet per minute (cfm) to cubic meters per hour (m^3/h), and vice versa, by pressing the **Enter** key for three seconds either when the system is switched on or in standby mode.

3. When the first character of the airflow units starts to flash, press the ▲ key once to change the units.

4. Press the **Enter** key to confirm the air flow unit change. Until modified again, the airflow rate will now be displayed in the newly selected units.
Note: The air delivery (airflow units) displayed in this manual are examples only and will vary according to model.

```
Airflow Units
cfm
```

```
Airflow Units
cfm
```

```
Airflow Units
m3/h
```

```
Airflow Units
m3/h
```

4.4.10 Language Setting

The Language Menu allows to change the IQAir system's display language. The languages from which you can choose will depend on the model and the country of purchase.

1. To reach the Language Menu from the main display window, press the **Menu** key nine times. The current language is displayed.

2. To change the display language, press and hold the **Enter** key until the cursor starts to flash.

3. Use the ▲ key to scroll through the display language options.

4. Press the **Enter** key to save the desired display language and to exit the enter mode.

```
LANGUAGE
English
```

```
LANGUAGE
English
```

```
IDIOMA
Español
```

```
IDIOMA
Español
```

Chapter 5 – Using the Remote Control

In addition to the control panel, the IQAir system can be controlled by using the hand-held remote control.

The remote control can be used to:
- Switch the system on and off
- Select the desired fan speed
- Activate and deactivate the timer function (Note: Start and stop times can only be set and changed directly on the system's control panel)

5.1 Remote Control Elements and Functions
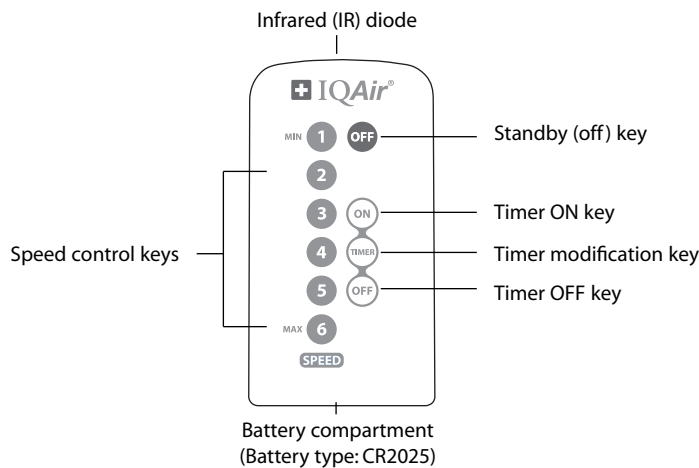
Switching the System On and Off: To switch the IQAir system on with the remote control, press any one of the **speed control** keys marked with 1 through 6. The system will still start at the fan speed of the pressed key. To switch the IQAir system off, press the **OFF** key.

Switching the Timer On and Off: If start and stop times have been set in the Auto Timer Menu, it is possible to switch the timer on and off with the remote control. To switch the timer on, press the **Timer Modification** key and then the **Timer ON** key. To switch the timer off, press the **Timer Modification** key and then the **Timer OFF** key.

5.2 Getting the Best Transmission Results

The IR (infrared) receiver of the IQAir system is positioned underneath the control panel cover. In order to get the best signal transmission, the remote control should be pointed at the control panel when a remote command is being carried out. Alternatively, the remote control should be pointed at a surface like a wall, ceiling or window, from which the signal can bounce off in a right angle (90°) to the electronic control panel.
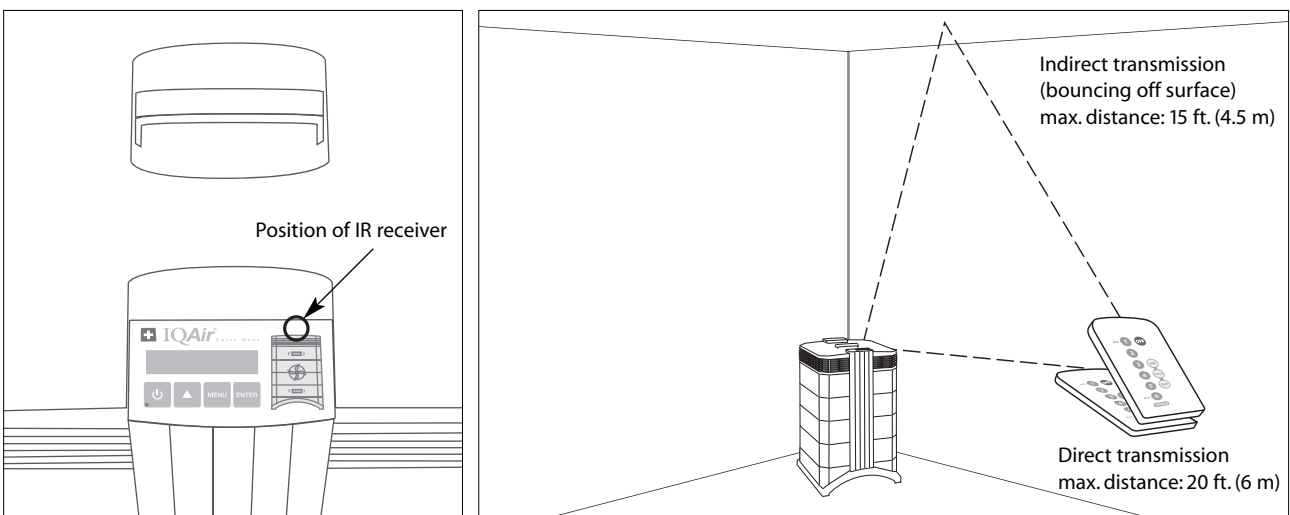
5.3 Replacing the Battery of the Remote Control

When the battery becomes weak, the transmission results will deteriorate and the battery should be replaced. The remote control requires one CR2025 battery. The battery compartment is located at the bottom end of the remote control.

To open the battery compartment, press the small lever to the side and slide the battery compartment out. Remove the used battery and insert the new battery.
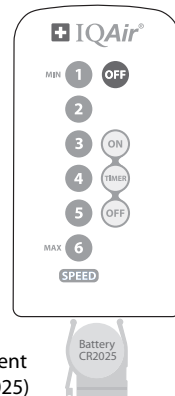
Battery compartment
(Battery type: CR2025)

Chapter 6 – Replacing Filters

The IQAir system is equipped with a Filter Life Monitor which is designed to assist you in determining when a filter needs to be replaced. If the air pollution in your environment is very high, there is a possibility that the filters may not be effective throughout the displayed life time and may have to be replaced earlier than indicated by the Filter Life Monitor.

For this reason it is important to look out for the signs of expired filters and replace filters earlier if neccesary. The main signs are:
• Increased operating noise
• Decreased airflow
• Clogged filters
• Increased odor presence

Note: After a filter has been replaced, the filter life must be reset in the control panel. Refer to section 4.4.8.

6.1 Location of the Filters

The IQAir system features a modular housing design which enables easy replacement of all filters in a matter of minutes. The illustration of the IQAir system on the control panel shows the positions of the individual filters. These positions correspond to the actual positions of the filters within the system.
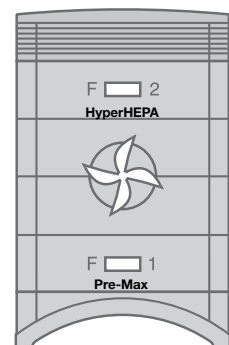
Filter positions as shown on the control Panel

6.2 Ordering Replacement Filters

To order replacement filters, please contact a local IQAir authorized dealer. To locate the dealer nearest to you, call 877-400-1050 or visit www.iqair.com.

Please order your replacement filters by quoting the appropiate article numbers stated below:

Pre-Max MG Filter   Art. No. 102 10 20 00
HyperHEPA Filter   Art. No. 102 14 14 00

6.3 Opening and Closing the Housing

The stacked housing elements are held together by two locking arms that hook into the diffuser. To open the system, follow the steps below.

1. Disconnect the system from the power supply before attempting to open the system.

2. Press the first locking arm outward, using both thumbs as shown. Press just hard enough to release the arm from its snap-in position in the diffuser. Disengage the other arm in the same way.

3. Pull both locking arms evenly outwards until they snap into place and remain open. Access to all filter elements is now possible (to change a specific filter, refer to the appropriate section below).

4. To close the housing, align the housing elements and simply push the locking arms inwards simultaneously until they snap back into the housing.
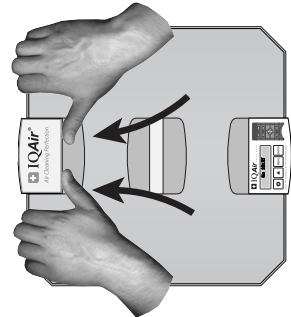
Opening
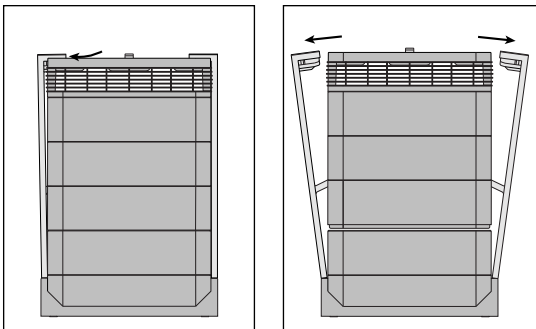
Closing
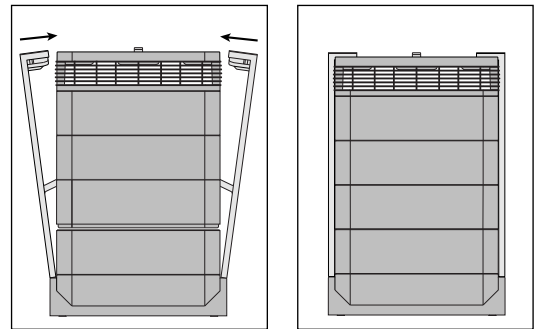
6.3.1 Troubleshooting When Closing the Housing

If the IQAir system does not close properly, the upper part of the system may be offset against the lower part. To solve this problem, simply open both locking arms again, align the housing elements and push both locking arms in simultaneously.
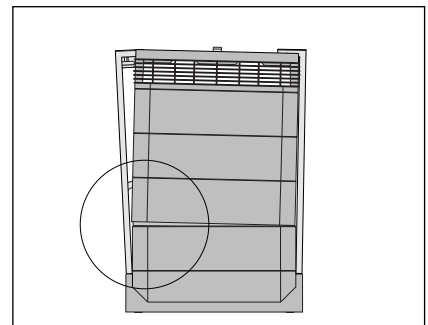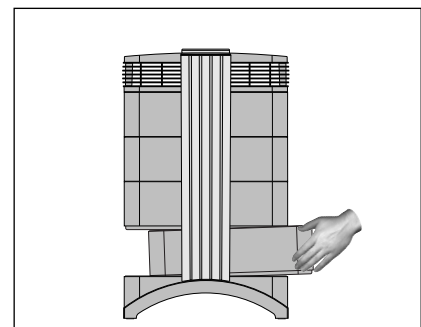
## 6.4 Replacing the Pre-Max MG Filter (F1)
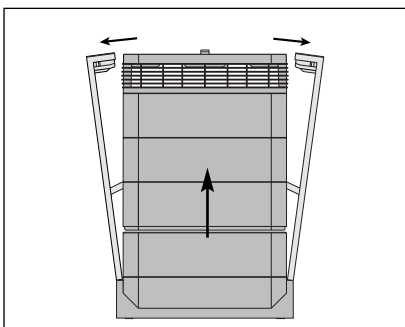
**1.** Open the locking arms, making sure they are fully extended outward. For details, refer to the section 6.3.
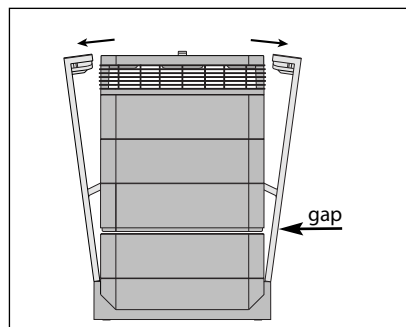
2. Opening the arms will cause the upper part of the housing to separate from the frame 1. This will leave a narrow gap.
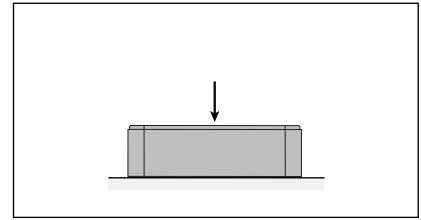
gap

3. Keeping the locking arms open, place your hands on opposite sides of frame 1, lift it slightly and pull it out slowly. As the frame is withdrawn tilt it progressively upward to remove it completely.
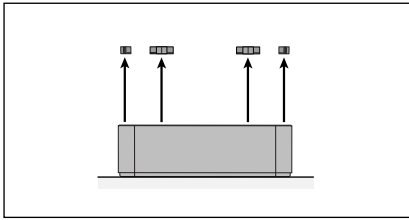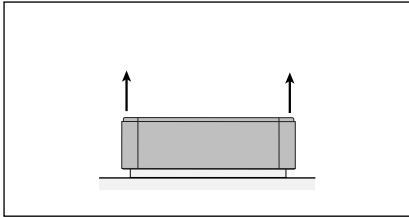
4. Remove the filter clamps that secure the filter in the frame by pulling these out of the sliding grooves.
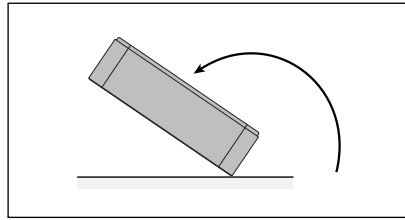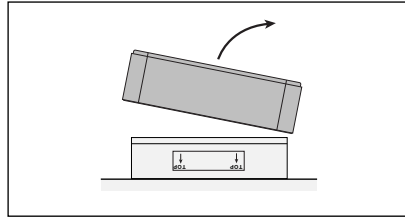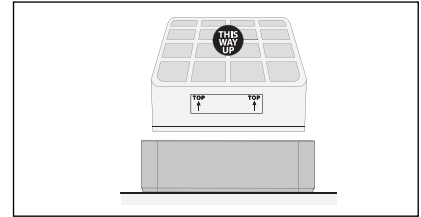

5. Turn the frame upside down.

**6.** With the palm of the hand, press down on the filter to loosen the filter from the frame.

**7.** Lift the frame from the filter.

8. Dispose of the used filter by placing it into the plastic bag in which the new filter is supplied (See section 6.6).

9. Turn the frame over to its upright position as in step 4 and insert the new filter. Ensure that the arrows on the filter label point upward.
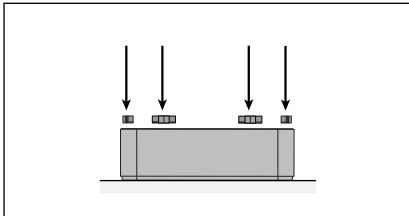
10. Make sure that the filter is inserted all the way into the frame. Insert the clamps into the sliding grooves inside the frame and push them down, securing the filter into place.
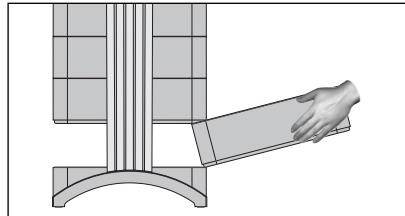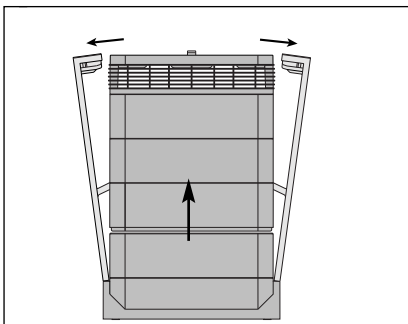

11. To reinsert frame 1, tilt it upwards at an angle while progressively pushing the frame back into the housing. For details on how to close the housing, please refer to section 6.3.
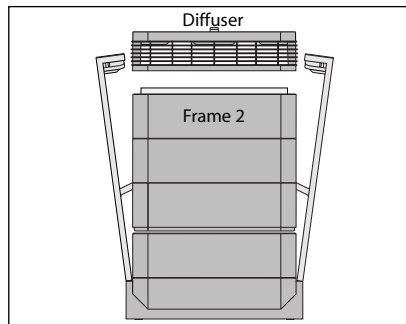

12. After a filter has been replaced, the Filter Life Monitor must be reset from the control panel (see section 4.4.8).
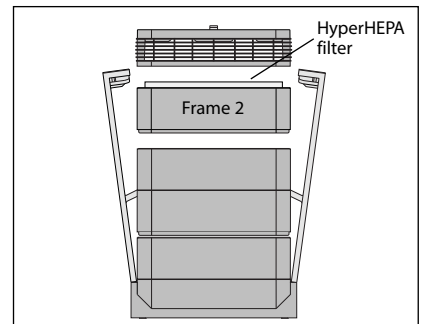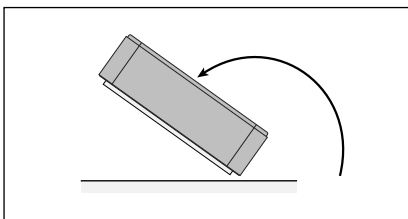
6.5 Replacing the HyperHEPA® Filter (F 2)

1. Open the locking arms, making sure they are fully extended outward. For details, refer to section 6.3.
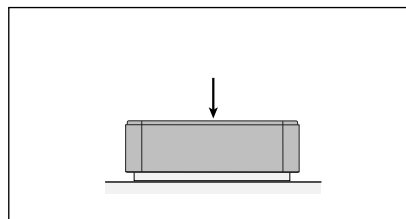
2. Opening the arms will release the top housing modules. Removing the diffuser will reveal the HyperHEPA filter inside Frame 2.
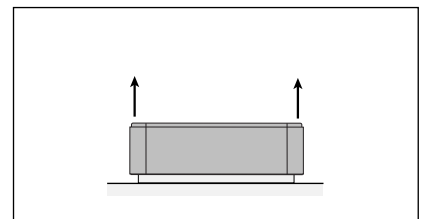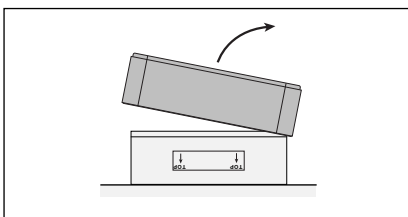
3. Remove frame 2 containing the HyperHEPA filter.

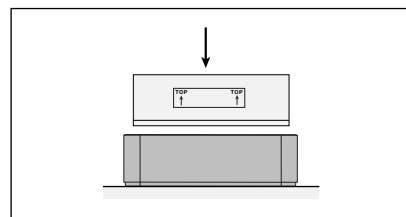**4.** Turn the frame over so it is upside down.

5. With the palm of the hand, press down on the filter to loosen the filter from the frame.
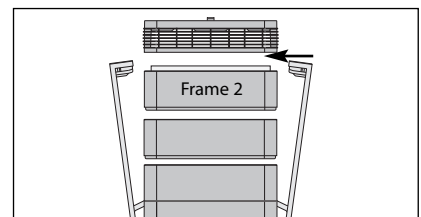
6. Lift the frame from the filter.

7. Dispose of the used filter by placing it into the plastic bag in which the new filter is supplied (see section 6.6).

8. Turn the frame over (right side up again) and insert the new filter. Ensure that the arrows on the filter label point upward. The Label "this way up" should be visible when installed properly. Re-install four filter clamps.

9. Put frame 2 back into the housing and reposition the diffuser. For closing refer to section 6.3.

10. After a filter has been replaced, the Filter Life Monitor must be reset from the control panel (see section 4.4.8).

6.6 Discarding Used Filters

Used filters can normally be put into the regular household trash for disposal.
If the system may have been exposed to potentially hazardous substances, the filters may have to be disposed of as hazardous waste. Please refer to local regulations and laws for proper disposal.

Chapter 7 – Maintenance

7.1 Cleaning the Housing

- Unplug the IQAir system before attempting to clean it.
- Use a soft and clean cloth for cleaning.
- For water soluble stains, use a window cleaning fluid.
- For the removal of tough, non water soluble stains, use a silicon spray.
- Do **not** use any solvents or any organic cleaning fluids.

7.2 Maintenance-Free Fan

The IQAir system is equipped with a maintenance-free fan motor.

7.3 Technical Support and Repairs

Should technical issues or questions arise during or after the warranty period, please contact your point of purchase or call *IQAir Technical Support* at 888-560-1020 (toll free). You may also visit our Support Center at www.iqair.com/support where you can find answers to most frequently asked questions (FAQs) or contact us with your inquiry.
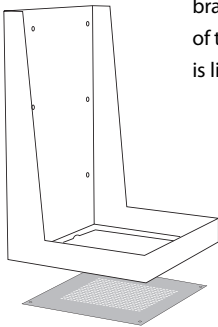
To expedite your service request, please have the following information ready when contacting us:

1. IQAir model, shell number and serial number (found at the base of the unit and on the certificate of performance)
2. Your details (name, address, phone number, e-mail)
3. Point of purchase (name of dealer, city)
4. Date of purchase
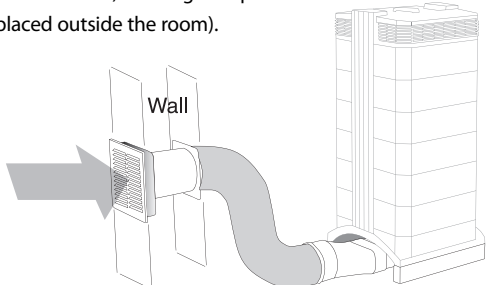5. Description of issue

Refer to the technical support and warranty registration card included with your air cleaner literature for more details.

Chapter 8 – IQAir® Optional Accessories
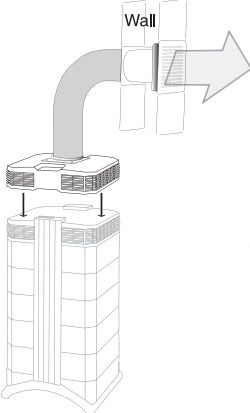
IQAir advanced air cleaning systems can be complimented with a range of special IQAir Accessories. Ask your Authorized IQAir Dealer for details.
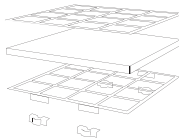
VMF™
Powder-coated stainless-steel wall bracket for the secure wall-mounting of the IQAir system where floor space is limited.

InFlow™
Complete ducting adapter kit for the creation of positive pressure (if placed within the room) and negative pressure (if placed outside the room).

OutFlow™
Complete ducting adapter kit for the creation of negative pressure (if placed within the room) and positive pressure (if placed outside the room).

PF40™
Additional pre-filter for areas with high levels of coarse dust.

Technical Specifications: *IQAir® HealthPro® Compact Plus*   NE

General Specifications	
Power requirements	100-120 V, 50/60 Hz
Energy consumption, 6 fan speeds*	27, 53, 92, 121, 154, 215 Watt; Standby: <1 Watt
Dimensions	H 24" x W 15" x D 16" (H 61 x W 38 x D 41 cm)
Weight, system incl. filters	28 lbs. (13 kg)
Air delivery, incl. filters, 6 fan speeds*	30, 60, 110, 140, 170, 240 cfm (50, 100, 190, 240, 290, 410 m³/h)
Sound pressure/power level, 6 fan speeds**	L_p 25, 36, 44, 50, 54, 59 dB(A); L_w 35, 46, 54, 60, 64, 69 dB(A)
Fan motor	centrifugal, backward curved, with thermal protector, non-stop use approved
Control panel	4-key touch-pad with 16 character 2-line LCD display
Air intake	dual arches at base of system
Air outlet	320° EvenFlow™ diffuser
Color of main housing / locking arms	light gray / white
Housing material	non off-gassing, impact-resistant, UV-stabilized ABS
Operating temperature / humidity	41° to 104° F (5° to 40°C) / 5% to 95% non-condensing
Electrical safety certification	CSA rated for continuous operation under applicable UL and CSA standards, BSMI
Performance	
Total system efficiency	≥ 99.97% for particles ≥ 0.3 microns (individually tested), ≥ 99.5% at ≥ 0.003 microns
Air delivery (certified)	yes (individually tested with all filters installed)
Leak tested	yes
EN 1822 classification	HEPA class H13 - MPPS efficiency: ≥ 99.95% @ 0.22 microns at airflow rate ≤ 112 cfm (190 m³/h)
	HEPA class H12 - MPPS efficiency: ≥ 99.50% @ 0.16 microns at airflow rate ≤ 280 cfm (475 m³/h)
Filter Configuration	
Pre- & gas filter	**PreMax™ MG Filter F8MG (S)** *Pre-Filter Stage* Purpose: control of coarse and fine particulate matter; protection of subsequent filters Media: non-woven glass microfiber, mini-pleated for high-capacity, non off-gassing separators Efficiency: ≥ 55% at ≥ 0.3 microns (EN 779 class F8) Surface area: 20 sq.ft. (1.9 m²)*** *Gas- & Odor Filter Stage* Purpose: control of a wide range of chemical contaminants and odors Media: MultiGas™ granulated activated carbon & impregnated activated alumina (AC/4 + IA/4) Weight: 2.2 lbs. (1.0 kg)*** Average filter life: 14 months (based on average daily usage of 10h on speed 3)****
Main particle filter	**HyperHEPA® Filter H12/13 (L)** Purpose: control of fine & ultra-fine particulate matter Media: non-woven glass microfiber, medical-grade HyperHEPA® filter, non-offgasing separators Efficiency: ≥ 99.97% at ≥ 0.3 microns (EN 1822 class H12/13) Surface area: 53 sq. ft. (5.0 m²)*** Average filter life: 4.5 years (based on average daily usage of 10h on speed 3)****
Features	
Display languages	4 user-selectable languages: English, French, German, Spanish
Intelligent filter life monitor	yes (monitors actual usage of each individual filter), 3 filter life status LEDs
Advanced timer	yes (allows programming of operating hours and weekdays)
Advanced fan speed selection	yes (allows programming of different fan speeds for 2 different time periods)
Supplied accessories	remote control (incl. battery), power cord with plug, casters, certificate of performance
Optional accessories	**FlexVac & VM FlexVac** mobile & wall-mounted source capture kits, **InFlow** & **OutFlow** positive/negative pressure duct kits, **PF40** coarse dust pre-filter, **VMF** wall-mount bracket.

* per fan speed measured at 120V, 60Hz; tolerance: ± 10% (± 6 cfm); ** tolerance: ± 3 dB(A); *** tolerance: ± 10%   **** filter life can vary based on actual usage and pollution levels

All technical specifications are subject to change without prior notice.   105.01.00.27 IQ TS HPCP NE 120V USA 130723

Notes:

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