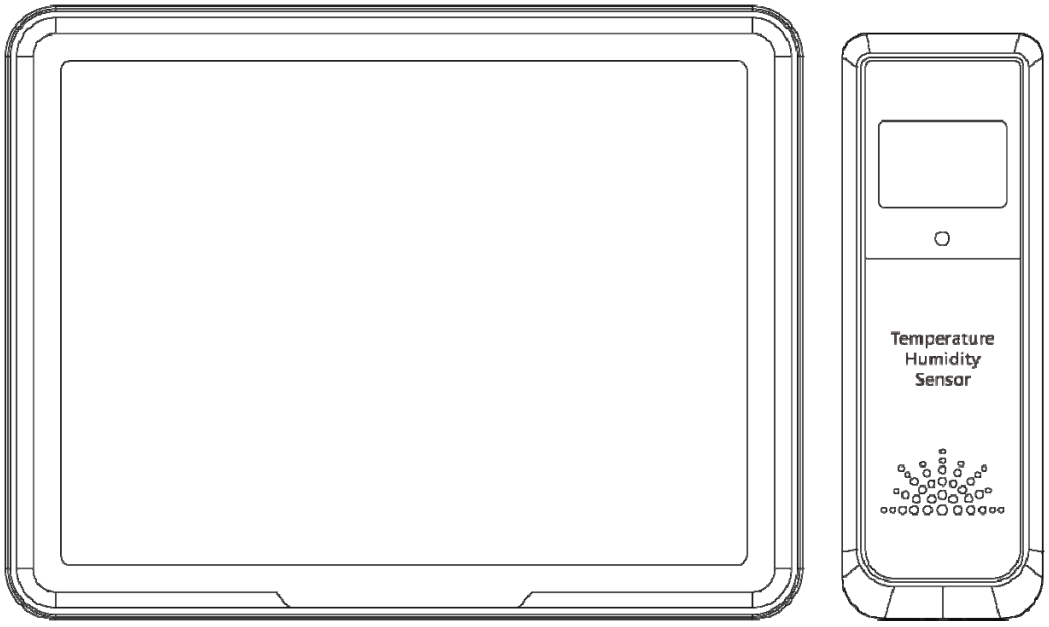
PTX01

Weather Station Clock

WWVB RCC / NO RCC Version

User Manual



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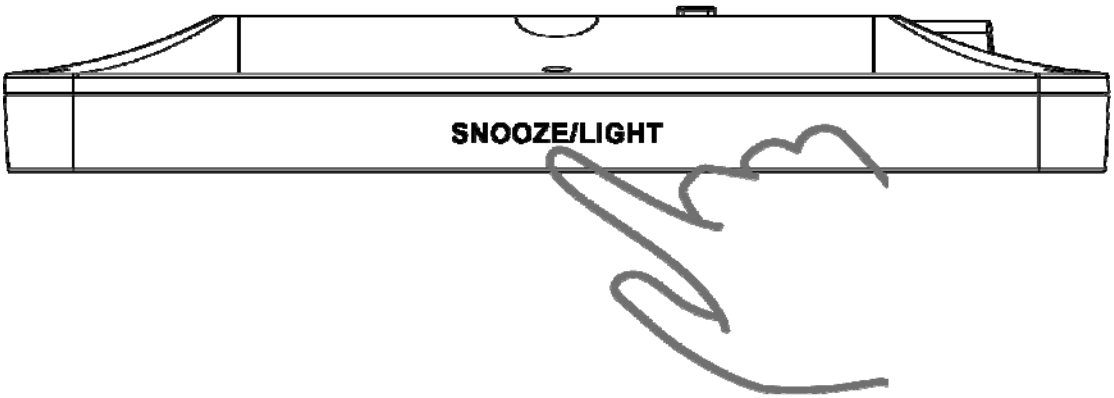
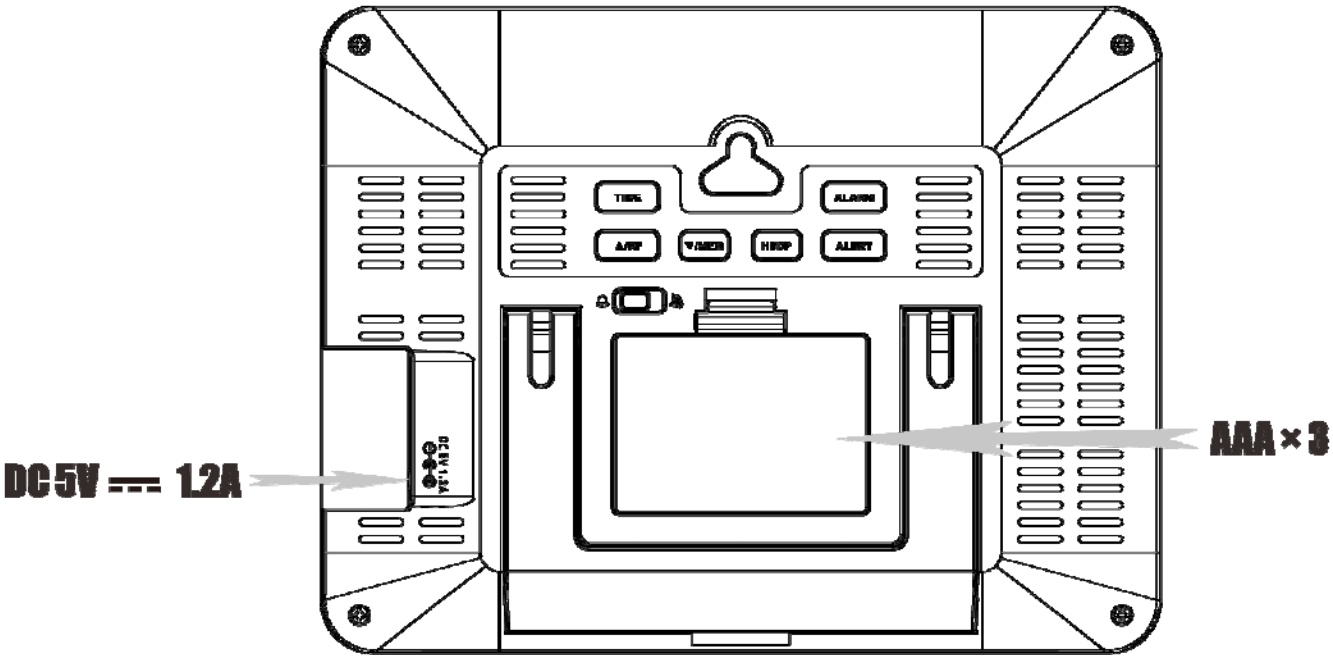
Features

- Perpetual calendar;
- RCC function (Only RCC version weather station has this function);
- Multi-time zone clock, WWVB version supports time zones is US time zone (Only RCC version);
- Weekly display, support 7 languages (English / German, Italian / French / Spanish / Dutch / Danish);
- Personalized alarm clock, can be set to ring on weekdays, weekends or every day, and has a snooze alarm clock function;
- Moon phase;
- Weather forecast function;
- Temperature and humidity measurement function, support Celsius and Fahrenheit;
- The temperature measurement range of the signal receiver: -9.9℃～50℃ (14.2℉～122℉); when the temperature is higher than 50℃, the screen will display “HH.H”; when it is lower than -9.9℃, it will display “LL.L”;
- Outdoor sensor temperature measurement range: -40°C to 70°C (-40°F～158°F); when the temperature is higher than 70°C, the screen displays "HH.H"; when it is lower than -40°C, it displays "LL.L" ";
- Receiver and sensor humidity measurement range: 20-99%; when the relative humidity of the air is higher than 99%, the screen displays "HH"; when it is lower than 20%, it displays "LL";
- Barometric pressure measurement range: 800～1100 hPa (± 2hPa), and the unit: hPa / mb / inHg / mmHg;
- Maximum and minimum temperature and humidity recording function;
- Dew point temperature;
- Frost alert function;
- Temperature alarm function;
- Heat index;
- Indoor comfort graded expressions;
- The PTX01 weather station can connect up to 3 signal sensors at the same time, and display the data of each sensor on the receiver screen in a carousel mode;
- Low battery alarm;
- LCD backlight;
- Power supply:
- Weather station:
- 3 × AAA (LR 03)" or power supply with a specification of "DC 5V";
- Wireless remote sensor: 2 × AAA (LR 03).

Appearance & Screen Display Introduction



[SNOOZE/LIGHT]: Snooze alarm; Backlight on / off / level; RCC on / off (Only for RCC version)



TIME : "set" button;

▲/RF : "▲/RF" button;

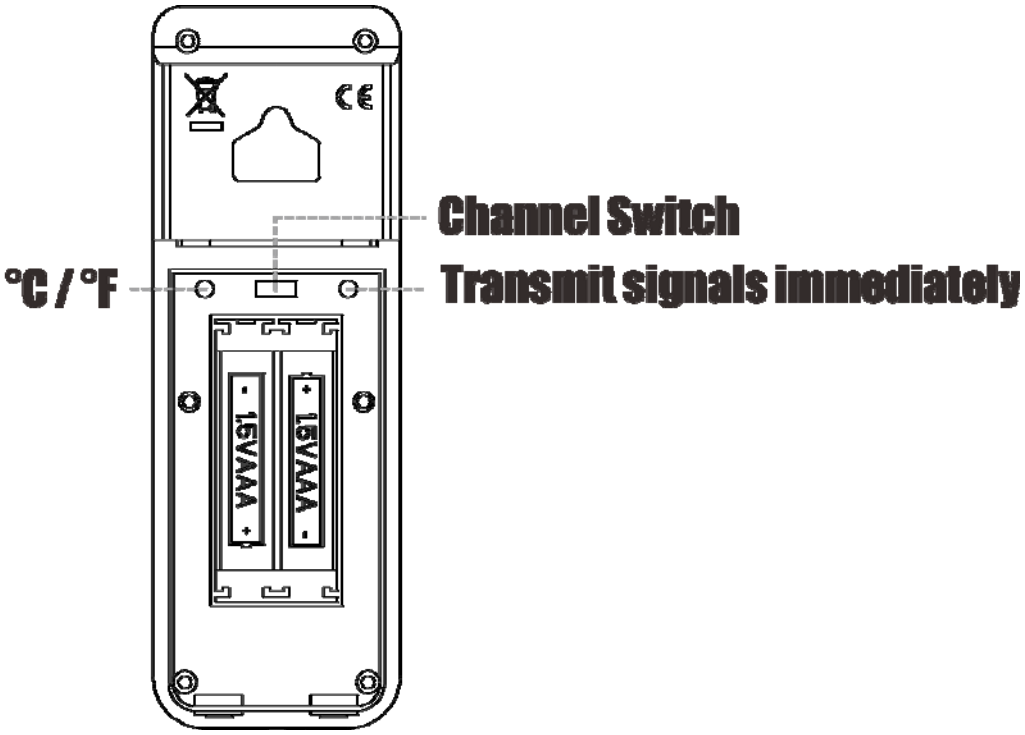
▼/MEM : "▼/MEM" button;

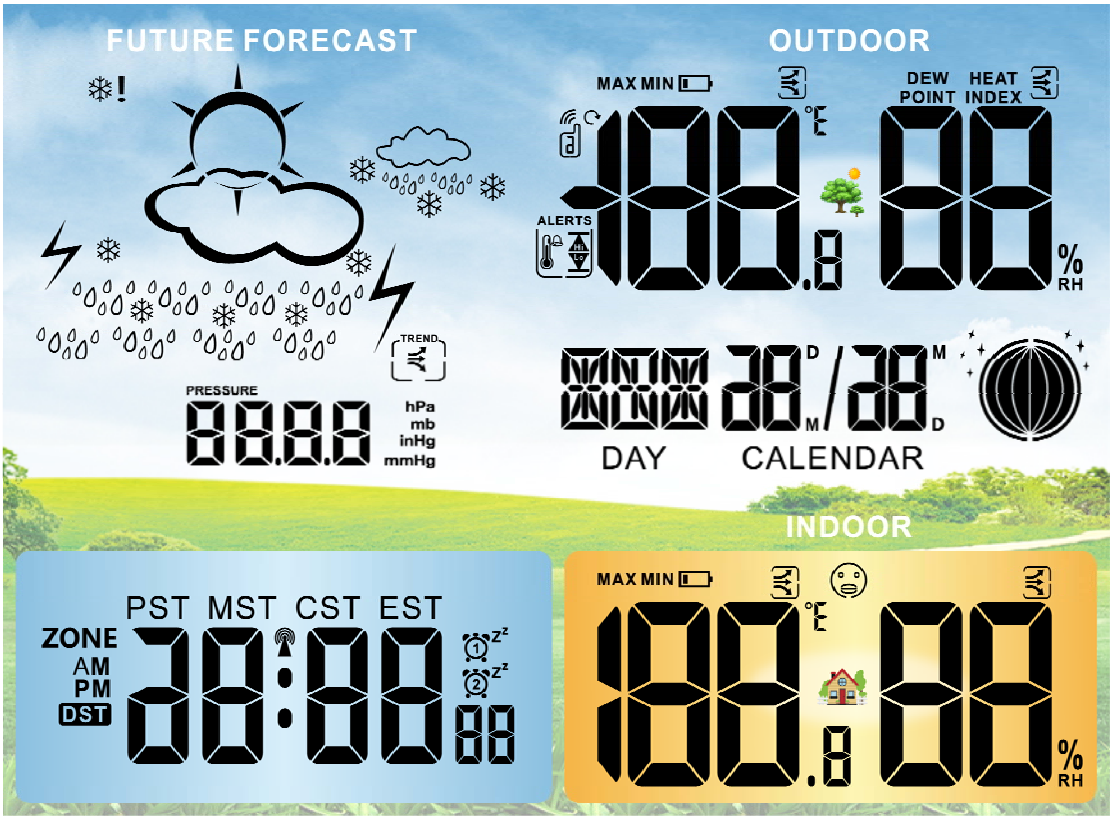
HI/DP : "HI/DP" button

ALERT : "ALERT" Button;

ALARM : "ALARM" Button;

: Alarm clock switch.





: Frost alarm ;

: Data trend ;

: Signal channel ;

: Temperature alarm ;

: Moon phase ;

: When the RCC is connected, the icon is displayed; When the RCC is disconnected or the function is turned off, the icon disappears ;

: When RCC is in the search state, the icon flashes ;

DST : Daylight saving time (only for WWVB version) ;

: Comfort ;

: Low battery ;

: alarm;

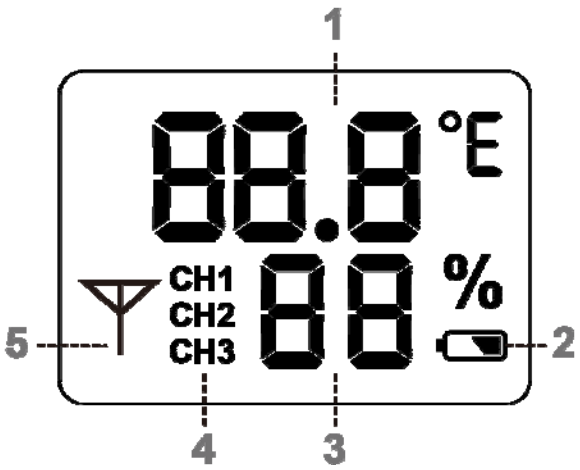
PST : Pacific Standard Time ;

MST : Mountain Standard Time ;

CST : Central Standard Time ;

EST : Eastern Standard Time.

Note: (6) & (7) are only for RCC version.



(1) Temperature ;

(2) Low battery warning ;
(3) Relative humidity ;
(4) Signal channel ;
(5) Transmit signals immediately.

Initial Operation

- Open Weather Station battery compartment cover
- Insert 3 X AAA batteries observing polarity ["+" and "-" marks]
- When you insert the batteries, all the icon on the LCD display will briefly light up for 3 seconds, and you will hear a beep tone, and detect indoor temperature & humidity
- The Weather Station will now start to make a connection to the remote sensor. This operation take about 3 minutes and is displayed by a flashing reception RF antenna symbol in the "REMOTE SENSOR" display area on the receiver.
- This now, Open the remote Sensor battery compartment cover, Insert 2 X AAA batteries observing polarity ["+" and "-" marks]
- After receiver has created a connection to the remote sensor, it will then be enters the Radio control time receive mode.

Weather Forecast / RCC / Time Zone / Language / Time / Calendar Setting

- Long press " TIME " button to set:
- Weather forecast
- RCC (only for RCC version)
- Time zone (only for RCC version)

WWVB	Eastern – EST (GMT -5)
	Central – CST (GMT -6)
	Mountain – MST (GMT -7)
	Pacific – PST (GMT -8)

- Language

Language	abbreviation	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
English	EN	SUN	MON	TUE	WED	THU	FRI	SAT
German	DE	SON	MON	DIE	MIT	DON	FRE	SAM
Italian	IT	DOM	LUN	MAR	MER	GIO	VEN	SAB
French	FR	DIM	LUN	MAR	MER	JEU	VEN	SAM
Spanish	ES	DOM	LUN	MAR	MIE	JUE	VIE	SAB
Netherlands	NL	ZON	MAA	DIN	WOE	DON	VRI	ZAT
Denmark	DA	SON	MAN	TIR	ONS	TOR	FRE	LOR

- Time

- Calender: Year / Month / Day
- Aire Pressure unit
- DST on/off (only for WWVB version)

F.Y.I.:

- Click " TIME " to confirm the setting result and move to the next;
- Click " ∧/☼ " to set the item one step forward; long press for more than 2 seconds, it will advance at the speed of 8 steps per second;
- Click " ▽/MEM " to go back one step of the setting item; long press for more than 2 seconds, it will go back at 8 steps per second;
- No operation within 20 seconds will save the settings and exit the setting mode;

Alarm Setting

- Long press " ALARM " to enter the alarm setting mode to set "on" or "off" the alarm and the display shows " ".
- When the alarm is on, click " ALARM " to confirm and set the alarm time and press " ALARM " again to confirm.
- Set "1-7" means daily, "1-5" means Monday to Friday ,or “6-7” means Weekend.

F.Y.I.:

- Click " ∧/☼ " or " ▽/MEM " to up and down, long press these 2 buttons more than 2 seconds, the setting item will go up or down at a rate of 8 units per second;
- There are 2 alarms options ;
- Without any operation within 20 seconds, the settings are automatically saved and the setting mode is exited.

Alert Settings

- Click " ALERT " to choose to on/off.
- Long press " ALERT " to enter the temperature alert setting mode,
- Click " ∧/☼ " or " ▽/MEM " to set the upper or lower limit of temperature alarm; click " ALERT " to confirm the setting and go to the next step;
- The alarm time lasts for 2 minutes;
- When the alarm is sounding, click [SNOOZE/LIGHT] button to delay the alarm for 5 minutes, press other buttons to exit the alarm;

Backlight

- When the adaptor is powered, backlight remains bright. Touch [SNOOZE/LIGHT] on the top of weather station to change the backlight brightness 3 levels from bright to dark.
- When the battery is powered only, backlight will be light for 30 seconds and then go off. Touch [SNOOZE/LIGHT] to wake it up.

- When the alarm rings, the backlight will be turned off automatically after 30s.
- RCC Receiving (Only for RCC version).
- After power on or reset, it automatically enters RCC reception;
- Long press [SNOOZE/LIGHT] to forcibly enter or stop RCC receiving
- At 1:00 / 2:00 / 3:00 am, the clock automatically carries out the synchronization procedure with the RCC signal to correct any deviations to the exact time. If this synchronization attempt is unsuccessful ("" disappears from the display), the system will automatically attempt another synchronization at the next full one hour. This procedure is repeated automatically up to total 5 times.
- If the connection is successful, "" is continuously displayed;
- When the connection is unsuccessful, "" will disappear and RCC mode will exit.

Remote Sensor Transmission

- After installing the battery it detect the "outdoor" temperature and humidity. it will automatically enter the RF receiving for 3 minutes
- Click " " to change channel form 1 to 3 or recycle
- long press " " to forcefully clear all outdoor channel data and searching signal
- If the weather station failed to receive transmission from remote sensor ("- -" displays on the LCD),long press and hold " " for 3 seconds to receive transmission manually. the remote temperature will show an animation of the RF antenna symbol, the Station will re receive the wireless signal of the remote sensor.
- Press"TX"button inside remote sensor battery compartment to send signal

Temperature Specification

- Indoor temperature range: -9.9℃ ～ 50℃ (14.2℉ ～ 122℉); higher than 50℃ shows HH.H, lower than -9.9℃ shows LL.L;
- Outdoor temperature range: -40℃ ～ 70℃ (-40℉ ～ 158℉); higher than 70℃ shows HH.H, lower than -40℃ shows LL.L
- Indoor and outdoor environmental humidity range: 20-99%; higher than 99% shows HH, lower than 20% shows LL;
- Outdoor temperature and humidity: CHANNEL 1 periodically transmits 93S once; CHANNEL 2 is periodically transmitted once at 97S; CHANNEL 3 is launched once every 101s;
- Temperature and humidity maximum/minimum memory function, long press " " to clear the memory value or clear the memory value at 0 o'clock every day to the current value;
- Temperature tolerance: ± 1℃;
- Humidity tolerance: ± 5%;
- The default highest temperature alarm value is +40℃ (+104℉), and the low temperature alarm value is -10℃ (+14℉);

➢ When it is not the current display channel alarm, only the alarm sounds, “ ” or “ ”does not flash;

➢ press " ALERT " to turn off，then “ ” can be terminated, and the temperature display will go back to the normal display.

Indoor Comfort

Comfortable ⟶		Too dry or too wet

Frost Alert

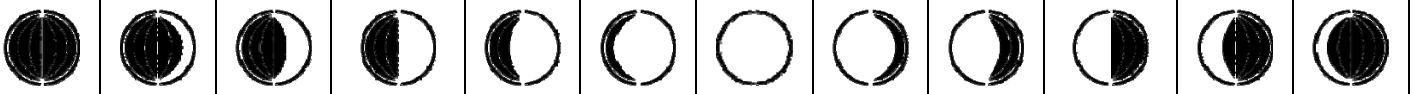
➢ When the signal sensor of channel 1 is in the environment where the temperature is less than 3℃ and greater than -2℃, the frost alert icon " ❄! " is displayed.

Heat Index And Dew Point Temperature

➢ Click “ HI/DP ” to check the heat index, and then press the it again to check the dew point temperature;

Lunar Phases

➢ The weather station has a display which automatically displays the current lunar phase.

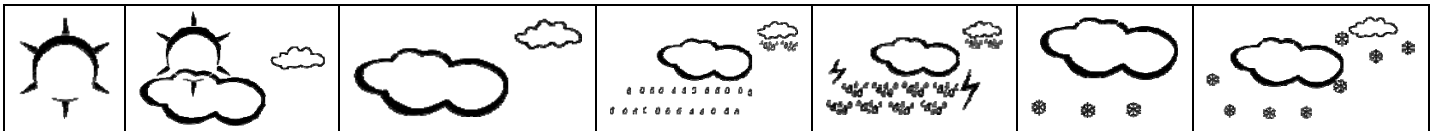

Full Moon / **Waning Gibbous** / **Third Quarter** / **Waning Crescent** / **New Moon** / **Waxing Crescent** / **First Quarter** / **Waxing Gibbous**

Temperature unit ℉/℃

➢ Weather station : long press" HI/DP" .

➢ Remote sensor: press "℃/℉"button after opening battery cover.

Weather Forecast

						
Sunny	**Partly Cloudy**	**Cloudy**	**Rainy**	**Thunder Shower**	**Snowy**	**Heavy Snow**

➢ The weather station can display the barometric pressure trend.

- You may see the following display:

The barometric pressure will rise ;

The barometric pressure will remain constant ;

The barometric pressure will fall.

FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help
This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1)this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.