

# **BTM288**

## User Requirement Specification

Version 0.1

Copylist

Project Team

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Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## 1. STANDBY/ECO POWER/POWER ON

Electronic tact key POWER.

### 1.1. Switching the System On:

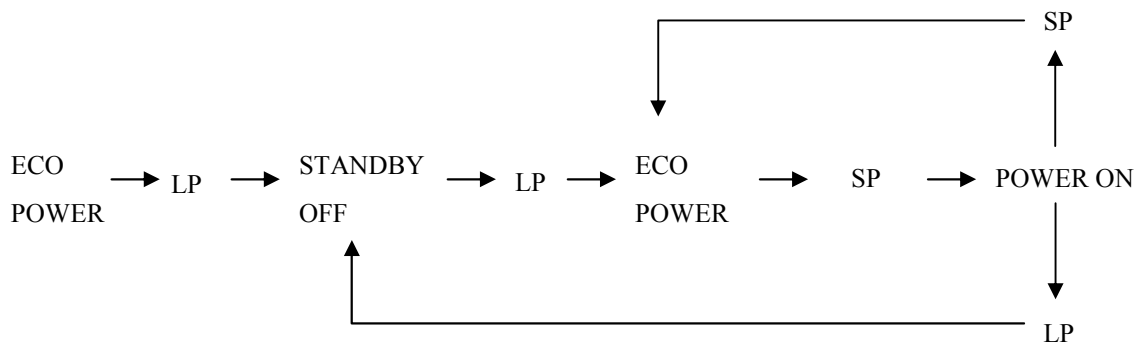
- ✓ In Standby mode, Press POWER or SOURCE key to switch on the set to the last selected source.
- ✓ In Standby mode, press CD, USB, TUNER, BLUETOOTH key on the remote control to switch on the system to the selected source.

### 1.2. Switching the System Off:

- ✓ In any source mode, press POWER key to switch off the set and the clock will appear on the display.

### 1.3. Switching the System to Eco Power mode:

- ✓ Press and hold ECO POWER until "ECO" is displayed and the display screen will go blank.
- ✓ In Standby mode/ECO power mode press and hold the POWER key until displayed also can be switch to ECO power mode/Standby mode



\*\* Press and hold POWER key is LP, Short press POWER key is SP

#### Remark:

- ✓ In CD mode, when the set in STOP/PAUSE/NO DISC mode for longer than 15 minutes, the set will switch off automatically to save power.
- ✓ In USB/SD mode, when the set in STOP/PAUSE/NO DEVICE mode for longer than 15 minutes, the set will switch off automatically to save power.
- ✓ In standby mode, when Standby off 15mins auto go to ECO mode. Display Backlight Off.

## 2. SELECT SOURCE

On set: Tact switch (SOURCE) toggle control on set for source select:

DICS → FM → AM → USB → CARD → BLUETOOTH → AUX → DISC...

On remote control: There are total 6 buttons (CD, USB/CARD, TUNER, Bluetooth and AUX) for source select.

DISC: If DISC mode is selected, “ DISC ” icon on.

Tuner: If Tuner mode is selected, “ TUNER ” icon is on.

Bluetooth : If Bluetooth mode is selected, “ BLUETOOTH ” message show on the display .

USB: If USB mode is selected, “ USB DIRECT ” icon is on.

CARD: If CARD mode is selected, “ CARD ” icon is on.

AUX: If Aux mode is selected, “ AUX ” icon is on.

If MP3-CD is recognized, “ MP3 ” icon will be on. If WMA-CD is recognized, “ WMA ” icon will be on. **CDMP3/USB/CARD after TOC, if internal have both MP3 and WMA format ,both icon will be on .**

## 3. CLOCK

Clock can be set in Standby mode only.

Clock will be reset after unplugging the unit. After plug on the unit the digits "AM 12:00" will display

### 3.1. Setting the clock: (REMOTE CONTROL ONLY)

Electronic tact key **PROG** combine with **ALBUM +/-** The clock can be set in either 12H or 24H mode. **(Default as 12hrs mode)**

3.1.1. In Standby mode, press **PROG** key combine with **ALBUM +/-**. "SET CLOCK" scrolls on the display. "24HR" and "12HR" appears for the initial clock setting.

To select 12H or 24H clock, press **ALBUM +/-** key and then press **PROG** key to confirm. The hours digits start flashing. .Press **album +/-** key repeatedly to adjust the hours. Press **PROG** key to confirm and the minutes digits start flashing. Press **ALBUM +/-** key repeatedly to adjust the minutes to adjust the minutes .Press **PROG** key to confirm.

3.1.2. To exit clock setting mode without storing, press STOP key.

3.1.3. During clock setting, if no button is pressed within 90 seconds, the system will exit clock setting mode automatically.

#### Remarks:

In clock mode number key on remote control is no function.

## 4. SLEEP: (REMOTE CONTROL ONLY)

Electronic key (SLEEP) on Remote control only

- 4.1. Press SLEEP key on the remote control repeatedly to select the desired time period (in minutes). Display shows in sequence: SLEEP 90 → 75 → 60 → 45 → 30 → 15 → OFF. Default is 0 min. The "SLEEP zZZ" flag in the display will be turned on.
- 4.2. To deactivate the sleep timer, press SLEEP key again until the icon "SLEEP zZZ" turn off or press STANDBY key.
- 4.3. If Sleep is already activated, press the SLEEP key once will shows the remaining sleep time, press the key again will change the sleep time to the next higher increment.

### Remark:

- ✓ If sleep is activated, the unit will go to Standby (even there might be a damage to the capstan mechanism). If alarm arrives at the same time as sleep ends, the unit will go to Standby mode. If sleep ends earlier then the alarm, the alarm will turn on the set; if the alarm is earlier then the sleep ends, sleep will put the unit to Standby.
- ✓ SLEEP cannot be activated, when no time has been preset.

## 5. DISPLAY



- ✓ Electronic tact key DISPLAY only activate at CDMP3/USB/CARD mode.
- ✓ MP3/WMA file (Disc/USB/CARD): Title name → Album name → Artist name → Title name ..

### **Remark:**

- For MP3/WMA file, the title name, album name and artist name is need to use DISPLAY key to select
- When Title name/Album name/Artist name scroll finish ,it will return to Track number and play time mode.

## 6. TIMER

Setting the Timer (Standby mode only)

- 6.1. In any mode, press and hold **TIMER** key until “SET TIMER” scrolls on the display. “SELECT SOURCE” scrolls on the display. Current source icon on.
- 6.2. Press SOURCE key on the set repeatedly to select the source ,DISC,TUNER,USB or CARD .
- 6.3. **Press the **TIMER** key to confirm. The hour digits start flashing.**
- 6.4. Press **Album+** key repeatedly to adjust the hour. Press **Timer** key to confirm and the minutes digits start flashing.
- 6.5. Hold down or press ALBUM + key repeatedly to adjust the minutes . Press Timer key to confirm. The Timer is now set and activated. icons on.
- 6.6. To exit timer-setting mode without storing, press STOP button.
- 6.7. During timer setting, if no button is pressed within 90 seconds, the system will exit timer setting mode automatically.
- 6.8. Activating and deactivating the Timer function by Electronic tact key TIMER :
  - ✓ Press TIMER (Timer) key on the set repeatedly to activate or deactivate the alarm.
  - ✓ If activated,  icons on.
  - ✓ **If deactivated,  icons off.**

### Remark:

- ✓ In Stand By mode – Backlight will be on when setting Timer! In case of /37 version the **message "AM" or "PM" will be shown in front of the set time.**
- ✓ The volume of the timer will start to increase from the minimum level until level 12.
- ✓ If the set is on at the set time, the set will switch to the selected source.
- ✓ There should be no Timer source as BLUETOOTH.
- ✓ When you select Timer source as USB / SD Card, when there is no USB / SD Card and it will turn to FM accordingly.
- ✓ When you select FM, AM, in Timer mode it will activate as your previous selected station
- ✓ The number key on the remote control is deactivate in this mode.



## 7. VOLUME

- 7.1. Electronic tact key VOLUME +/-.
- 7.2. Volume can be controlled from the RC unit
- 7.3. Display shows “VOL” and the actual value between 1 and 31. “VOL MIN” is displayed when the volume level is the minimum (0). “VOL MAX” is displayed when the volume level is the maximum (32).
- 7.4. The volume level setting will be stored when the set is power off. After power on, the set will return to the previous volume setting (**however no higher** than 20). If the volume level is >20 before power off, the set will return 12 when power up again. If the volume level is 0 < Volume level < 12 before power off, the setting will be stored. If the volume level is Min before power off, the set will return 4 when power off

## 8. DBB (REMOTE CONTROL ONLY)

Electronic switches (DBB) toggle between DBB On and Off

Display will show DBB icon when DBB is On.

DBB-setting will be stored in stand-by (Power OFF) mode.

**Default setting: DBB On.**

## 9. DSC (REMOTE CONTROL ONLY)

Electronic toggle key DSC.

Sequence is (POP → Jazz → Classic → Rock → POP → .....). Default = Pop

Corresponding POP, JAZZ, CLASSIC, ROCK icon will be on.

DSC name: Pop (Defalut)			
	Vol. Step	Bass (dB)	Treble (dB)
DBB OFF	0-32	+4	+6
DBB On(default)	0 - 26	+12	+8
	27	+10	
	28	+8	
	29 -32	+8	

DSC name: Jazz			
	Vol. Step	Bass (dB)	Treble (dB)
DBB OFF	0-32	-4	-4
DBB On	0 - 26	+4	+0
	27	+2	
	28 - 32	0	

Volume decrease by 3.75dB

DSC name: Classic			
	Vol. Step	Bass (dB)	Treble (dB)
DBB OFF	0-32	0	0
DBB On	0 - 26	+10	+2
	27	+8	
	28	+6	
	29 -32	+6	

DSC name: Rock				
	Vol. Step	Bass (dB)	Mid (dB)	Treble (dB)
DBB OFF	0-32	+4		+8
DBB On	0 - 26	+14		+10
	27	+12		
	28-30	+10		
	31 -32	+8		

**Remarks:**

The tables presented in this report are proposals and will have to be verified during sound. These parameters will have to be tuned in a final listening session with the final sound samples in presence of product mgt. and acoustic specialist.

## 10. INCREDIBLE SURROUND

Not available in this set.

## 11. CD

### 11.1. Eject

If Eject key is pressed during CD play, playback will be stopped immediately (program will be cleared, shuffle/repeat mode setting will be reset). Display shows “EJECT”

After put in the CD disc, “READING” is displayed as the CD player scans the contents of the disc. Then the display shows:

- After Disc eject 15 seconds, if no one take out the disc ,the disc will be auto insert and return to the previous mode
- Disc ejected ,if the operation mode change from Standby On to Standby Off ,disc will auto insert .
- Audio CD: Total number of tracks and playing time
- MP3/WMA: Total Album number “Axx” and Total track number “Txxx”

### 11.2. Play

Electronic toggle key ( ▶|| )

Mode	Action	Description	Display
Audio CD Stop	Press Play	Starts playback of track 1	TRK icon is on “<Track number>” “<Track Laptime>”
MP3/WMA Stop	Press Play	Starts playback of album 1 track 1	MP3 (or WMA) & TRK icon is on “<Track number>” “<Track Laptime>”

#### Remarks:

- ✓ If the CD “Play” button is pressed when reading TOC, the set will start CD “Play” immediately after reading TOC is completed.

### 11.3. Stop

Electronic key STOP

Mode	Action	Description	Display
Audio CD Play	Press Stop	Press Stop key once: CD stop. Clears CD play mode setting,	TRK icons on “<Total Track Number>” “<Total Track Time>”

		Retains CD program  Press Stop key 2 <sup>nd</sup> time: Clears CD program	
MP3/WMA Play	Press Stop	Press Stop key once: Clears CD play mode setting, Retains CD program  Press Stop key 2 <sup>nd</sup> time: Clears CD program	MP3 or/and WMA icon on “<Total Album Number>” “<Total Track number>”

**Remark:**

Playback will also stop when:

- ✓ EJECT key is pressed.
- ✓ The disc has reached the end
- ✓ Source change

**Number buttons ‘0’ to ‘9’ on remote control**

Select the desired track directly by pressing ‘0’ to ‘9’, max 2 digits for normal CD and 3 digits for MP3 or WMA-CD (no key cannot select album)

## 11.4. Pause

Electronic toggle key ( ▶||)

Mode	Action	Description	Display (Upper)
Audio CD Play	Press Pause	Pauses CD playback	TRK icons on “<Track number>”, “<Track Laptime >” frozen & flashing (0.5s)
MP3-CD Stop	Press Pause	Pause MP3/WMA playback	MP3 (or WMA) & TRK icons on “<Track number>”, “<Track Laptime >” frozen & flashing (0.5s)



## 11.5. Track/Title Skip

Electronic combined keys (⏮, ⏭)

Mode	Action	Description	Display
Audio CD Stop	Press ⏭	Skip to next track (Stop at the beginning of next track)	TRK icon is on “<Next track number>”, “<Total track time >”
Audio CD Play	Press ⏭	Skip to next track and start playing	TRK icon is on “<Next track number>”, “<Track Laptime>”
Audio CD Pause	Press ⏭	Skip to next track (Pause at the beginning of next track)	TRK icon is on “<Next track number>”, “<00:00>” flashing
Audio CD Stop	Press ⏮	Skip to previous track (Stop at the beginning of previous track)	TRK icon is on “<Previous track number>”, “<00:00>”
Audio CD Play	Press ⏮	(Playtime of track>2sec) Press ⏮ key once: Skip to beginning of current track and start playing  Press ⏮ key twice: Skip to beginning of previous track and start playing  (Playtime of track is 00:00) Press ⏮ key once: Skip to beginning of previous track and start playing	TRK icon is on “<Previous track number>”, “<Track Laptime>”
Audio CD Pause	Press ⏮	Back to beginning of current track (Pause at the beginning of current track)	TRK icon is on “<Track number>”, “<00:00>” flashing

		<p>Press ⏮ key twice: Skip to beginning of previous track and pause.</p> <p>(Playtime of track is 00:00)</p> <p>Press ⏮ key once: Skip to beginning of previous track and pause.</p>	
MP3/WMA Stop	Press ⏭	Skip to next track (Stop at the beginning of next track)	MP3 (or WMA) icon is on .Display show “<first album number>”, “<Next track number >”, after 5 seconds haven’t play the selected track ,display will return to “<Total album number >”, “<Total track number >”

Mode	Action	Description	Display
MP3/WMA Play	Press ⏭	Skip to next track and start playing	MP3 (or WMA) icon is on TRK icon is on “<Next track number>, “<Track Laptime>”
MP3/WMA Pause	Press ⏭	Skip to next track (Pause at the beginning of next track)	MP3 (or WMA) icon is on TRK icon is on “<Next track number>”, “<00:00>” flashing
MP3/WMA Stop	Press ⏮	Skip to previous track (Stop at the beginning	MP3 (or WMA) icon is on .Display show “<Previous album

		of previous track)	number>”,”<Previous track number >”,after 5 seconds haven’t play the selected track ,display will return to “<Total album number >”,”<Total track number >”
MP3/WMA Play	Press ⏮	<p>Press ⏮ key once: Skip to beginning of current track and start playing</p> <p>Press ⏮ key twice: Skip to beginning of previous track and start playing</p> <p>(Playtime of track is 00:00)</p> <p>Press ⏮ key once: Skip to beginning of previous track and start playing</p>	<p>MP3 (or WMA) icon is on TRK icon is on “&lt;Track number&gt;, “&lt;Track Laptime&gt;”</p> <p>MP3 (or WMA) icon is on TRK icon is on “&lt;Last track number&gt;, “&lt;Track Laptime&gt;”</p>
MP3/WMA Pause	Press ⏮	<p><b>Back to beginning of current track (Pause at the beginning of current track)</b></p> <p><b>Press ⏮ key twice: Skip to beginning of previous track and pause.</b></p> <p><b>(Playtime of track is 00:00)</b></p>	<p>MP3 (or WMA) icon is on TRK icon is on “&lt;Track number&gt;, “&lt;00:00&gt;” flashing</p>

		Press ⏮ key once: Skip to beginning of previous track and pause.	
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**Remarks:**

- ✓ If the system reaches the starting or end of the CD/MP3 track, the Track Skip will be continue.
- ✓ If ⏮ key is pressed while the last track of the current album is played, the unit will play the first track of the next album (for previous function is vice versa).

## 11.6. Search

On set: Electronic combined keys (⏮/◀, ▶/⏭)

On remote control: Electronic keys (◀, ▶)

Mode	Action	Description	Display
MP3/WMA Play	Press and hold ⏮ (or ◀ on remote control) >0.5s	Fast backward search (Playback resume after search release)	MP3 (or WMA) & TRK icon is on “<Track number>”, “<Track Laptime>”
MP3/WMA Pause	Press and hold ⏮ (or ◀ on remote control) >0.5s	Fast backward search (Stays in Pause mode after search release)	MP3 (or WMA) & TRK icon is on “<Track number>”, “<Track Laptime>” flashing

Mode	Action	Description	Display
Audio CD Play	Press and hold ►► (or ►► on remote control) >0.5s	Fast forward search (Playback resume after search release)	TRK icon is on “<Track number>”, “<Track Laptime>”
Audio CD Pause	Press and hold ►► (or ►► on remote control) >0.5s	Fast forward search (Stays in Pause mode after search release)	TRK icon is on “<Track number>”, “<Track Laptime>” flashing
MP3/WMA Play	Press and hold ►► (or ►► on remote control) >0.5s	Fast forward search (Playback resume after search release)	MP3 (or WMA) & TRK icon is on “<Track number>”, “<Track Laptime>”
MP3/WMA Pause	Press and hold ►► (or ►► on remote control) >0.5s	Fast forward search (Stays in Pause mode after search release)	MP3 (or WMA) & TRK icon is on “<Track number>”, “<Track Laptime>” flashing
Audio CD Play	Press and hold ◄◄ (or ◄◄ on remote control) >0.5s	Fast backward search (Playback resume after search release)	TRK icon is on “<Track number>”, “<Track Laptime>”
Audio CD Pause	Press and hold ◄◄ (or ◄◄ on remote control) >0.5s	Fast backward search (Stays in Pause mode after search release)	TRK icon is on “<Track number>”, “<Track Laptime>” flashing

## Remarks:

- ✓ The set will start to play the current track from the point where search button is released.
- ✓ If the FR search tills the beginning of the disc, normal playback of first track will resume after search release.
- ✓ If the FF search tills the end of the disc, it will jump to stop mode before search release.
- ✓ For Repeat one track mode, press and hold ►► key on set (or ►► on remote control) will keep searching the current track until search release.
- ✓ For Repeat one track mode, press and hold ◄◄ key on set (or ◄◄ on remote control) will searching to the beginning of the track and start to play ..
- ✓ For Repeat all mode, press and hold ►► key on set (or ►► on remote control) will keep searching all disc until search release .

- ✓ For Repeat all mode, press and hold ⏮ key on set (or ⏮ on remote control) will keep searching all disc until search release .

## 12. PLAY MODE: REPEAT / SHUFFLE

For Play mode key on BTM288 panel

PLAY MODE KEY:

No PROGRAM setting :Press MODE one time:REPEAT 1 (Just repeat Track)

Press MODE key two times :REPEAT ALL (Repeat whole disc track or USB track)

Press MODE key three times :**SHUFFLE** (Repeat off, then Shuffle whole disc or USB)

Press MODE key four times :All mode OFF (All mode OFF)

Press MODE key five times :return REPEAT 1

With PROGRAM setting : Press MODE key one time :REPEAT 1 (Just repeat programmed track)

Press MODE key two times :REPEAT programmed track .(Repeat all Programmed track)

Press MODE key three times : REPEAT OFF (All mode OFF, Program keep)

Press MODE key four times : return REPEAT 1

### On Set:

- ✓ Electronic toggle keys (PLAY MODE), toggles between REPEAT (current track) / REPEAT ALBUM (MP3 only) / REPEAT ALL (whole disc/program) / SHUFFLE / Normal playback.

### On Remote control:

- ✓ Electronic toggle key (REPEAT), toggles between REPEAT (current track) / REPEAT ALBUM (MP3 only) / REPEAT ALL (whole CD/program) / Normal playback.
- ✓ Electronic toggle key (SHUFFLE), toggle between SHUFFLE / Normal playback.

1. To select Repeat play mode, press PLAY MODE key on set (or REPEAT key on remote control) in stop mode or during playback until the corresponding display flag ( **REP** / **REP ALL** / **REP ALBUM** ) shows on display.
2. To select Shuffle play mode, press PLAY MODE key on set (or SHUFFLE key on remote control) in stop mode or during playback until the Shuffle flag (**SHUF**) shows on display.
3. Press ► || button to start Repeat/Shuffle playback if in stop mode.
4. To return to normal playback, press PLAY MODE key on set (or REPEAT/SHUFFLE key on remote control) until Repeat/Shuffle flag turn off.
5. Press STOP button during Repeat/Shuffle playback will stop playback and cancel Repeat/Shuffle mode.

### Remark:

- ✓ No Repeat + Shuffle function.



- ✓ MP3/WMA: In case SHUFFLE is activated, all tracks stored on the disc will be played in random order (neglecting in which album they are stored).
- ✓ No Program Shuffle function

## 13. PROGRAM

Electronic key (PROG), combined with ALBUM +/- and ◀/▶ keys

Up to 40 tracks can be stored in the desired sequence.

### 13.1. CD Program

Mode	Action	Description	Display
CD Stop	Press PROG	To start new programming	PROG flag flashing TRK icon on “<Track number> P01”
CD Programming	Press ◀/▶	To select track	PROG flag flashing” TRK icon on “<Track number> P01”
CD Programming	Press PROG	To store the selected track into the programming list	PROG flag flashing TRK icon on “<Track number> P02”
CD Programming	Press STOP	Exist programming and don't start playback	PROG flag on TRK icon on “<Track number> P01”
CD Programming	Press PLAY	Exist programming and start playback	PROG flag on TRK icon on. “<Track number> <Track Laptime>”
CD Program Play	Press Stop	Stop program play	PROG flag on TRK icon on “<Track number> P01”
	Press Stop 2 <sup>nd</sup> Time	Clear program	PROG flag off “PROGRAM CLEAR” scroll past. Then change to TRK icon on “<Total Track Number>” “<Total Track Time>”

## 13.2. MP3/WMA Program

Mode	Action	Description	Display
MP3/WMA Stop	Press PROG	To start new programming	“01 PR 01” and PROG icon on at that time PR“01” flash ,meaning is now programming Program 1
MP3/WMA Programming	Press ALBUM +/- Press ◀/▶	To select album To select track	“01” PR flash meaning is now selecting which track .
MP3/WMA Programming	Press PROG	To store the selected track into the programming list	“01 PR 01”→ “01 PR 02”, meaning is now can going to select Program 2.
MP3/WMA Programming	Press STOP	Exist programming and don't start playback	PROG flag on MP3 or/and WMA icon on
MP3/WMA Programming	Press PLAY	Exist programming and start playback	PROG flag on MP3 or WMA & TRK icons on <Track number> <Track Laptime>”.
MP3/WMA Program Play	Press Stop	Stop program play	PROG flag on MP3 (or WMA) icon on TRK icons on
	Press Stop 2 <sup>nd</sup> Time	Clear program	PROG flag off MP3 (or WMA) icon on “PROGRAM CLEAR” scroll past and then change to “<Total Album Number>” “<Total Track Number>”

**Remarks:**

- ✓ Total number of stored tracks = 40
- ✓ When programming the album/track, continue to press the “PROG” button (w/o selecting album/tracks) can scroll back to programmed album/tracks for change.
- ✓ Display shows “Full” if attempt to program more that 40 tracks.
- ✓ The content of the program **will clear** after a source change, power off or EJECT key is pressed.
- ✓ **In play mode, pressing PROG key will show “GO TO STOP” to remind user ,the program function only activate in stop mode .**

## 14. ALBUM UP / ALBUM DOWN

### Electronic tact switch (ALBUM +/-)

Only available with a MP3/WMA-disc with album structure (sub-directories). If the key is pushed while playing CD or MP3 non album discs the set will not response.

Mode	Action	Description	Display
MP3/WMA Stop	Album +/-	Selects next/previous album	“<Next album number> <Next album first track number>” (After 5 seconds ,no other key press ,it will display <Total Album> < Total Track>
MP3/WMA Play	Album +/-	Selects next/previous album	“<Next album first track number>’ <Track Laptime>” “TRK” icon on.

## 15. TUNER

### 15.1. Plug & Play

Not available on this set.

Frequency coverage:

Area	Band	Frequency Range (Hz)	Step (Hz)
OVS	FM	87.5 – 108.0M	50 k
	MW	531 – 1620k	9 k
		530 – 1700k	10 k
Europe	FM	87.5 – 108.0M	50 k
	MW	531 – 1602k	9 k
	LW	135 – 279k	3k
AUST/NZ	FM	87.5 – 108.0M	50 k
	MW	531 – 1602k	9 k
USA/ CANADA	FM	87.5 – 108.0M	100k
	AM	530 – 1700k	10k

### 15.2. Tune frequency

On set: Electronic keys (◀▶, ▶▶).

On remote control: Electronic keys (◀▶/▶▶)

Mode	Action	Description	Display
Tuner	Press <0.5s	Manual frequency up/down	Frequency incrementing/ decrementing
Tuner	Press >0.5s	Autosearch	Display shows “SEARCH” until a station found.

Remark:

- ✓ The number key on remote control is deactivate in this mode.

### 15.3. Tuning features

FM mono/stereo: Automatic

### 15.4. Tuning Grid selection

Latin America:AM default as 10KHz,press and hold "STOP" key for around 3 seconds can be turn to "9KHz";

ASIA :AM default as 9KHz, press and hold "STOP" key for around 3 seconds can be turn to "10KHz";

**The default setting:**

MW band: tuning grid 10 KHz; frequency range 530 - 1700 KHz;

FM band: tuning grid 50 KHz; frequency range 87.5 - 108 MHz;

**The alternative setting:**

MW band: tuning grid 9 KHz; frequency range 531 - 1602 KHz;

FM band: tuning grid 50 KHz; frequency range 87.5 - 108 MHz;

**For /US version:**

AM band: tuning grid 10 KHz; frequency range 530 - 1700 KHz;

FM band: tuning grid 100 KHz; frequency range 87.5 - 108 MHz;

**For all /Asia Pacific version:**

**The default setting:**

MW band: tuning grid 9 KHz; frequency range 531 - 1602 KHz;

FM band: tuning grid 50 KHz; frequency range 87.5 - 108 MHz;

**The alternative setting:**

MW band: tuning grid 10 KHz; frequency range 530 - 1700 KHz;

FM band: tuning grid 50 KHz; frequency range 87.5 - 108 MHz;

**For /Europe version:**

MW band: tuning grid 9 KHz; frequency range 531 - 1602 KHz;

FM band: tuning grid 50 KHz; frequency range 87.5 - 108 MHz;

## 15.5. Program preset

Electronic key (PROG) combine with ◀▶ on set (or ◀▶ on remote control), PRESET+/- keys  
Total number is 40 presets (FM 30 & AM 10) .

Mode	Action	Description	Display
Tuner	Manual programming 1. Tune to desired frequency 2. Open program mode 3. Select preset number 4. Store preset	1. Press ◀ / ▶ on set (or ◀▶ on remote control) 2. Press PROG 3. Press PRESET +/- 4. Press PROG	1. Frequency 2. PROG flag on ,preset channel number flashing 3. Preset number Up/Down 4. PROG flag on. Display shows the preset number, waveband and frequency.
Tuner	Automatic programming	Press PROG key >2s.	Display shows "Auto"

### Remarks:

- ✓ If the programming mode is opened and no key is pressed for 90s the programming mode will be quit. Not until the PROG button is pressed to confirmed and close the programming mode, no frequency will be stored after the 90s timer out.
- ✓ Automatic programming starts from the first preset or chosen preset number. Available stations starting from FM low end frequency followed by AM. All presets from there onward will be erased and re-programmed. After all stations are stored, the last preset station will then be played.
- ✓ If the Automatic programming cannot fill up all the presets with radio stations available for the bands, then all the remaining presets will be erased and re-programmed with the low end frequency.
- ✓ To stop the automatic programming, press **Stop keys**.



## 15.6. Select preset (ACE-TUN-5)

Electronic tact switch (PRESET +/-).

Mode	Action	Description	Display
Tuner	PRESET +/-	Selects next/previous preset station	Preset number and frequency.

## 16. USB/CARD

### 16.1. Play

Electronic toggle key ( ▶ || )

Mode	Action	Description	Display
MP3/WMA Stop	Press Play	Starts playback of album 1 track 1	MP3 (or WMA) & TRK icon is on “<Track number>” “<Track Laptime>”

**Remark:**

- ✓ For MP3/WMA file, press DISPLAY key will toggle between Playback display, Title name, Album name, ID3 Information and Clock display.

### 16.2. Stop

Electronic key STOP

Mode	Action	Description	Display
MP3/WMA Play	Press Stop	Press Stop key once: Clears play mode setting, Retains program  Press Stop key 2 <sup>nd</sup> time: Clears program	MP3 (or WMA) icon on “<Total Album Number>” “<Total Track number>”

**Remark:**

Playback will also stop when:

- ✓ All files has been played(except repeat all mode)
- ✓ Source change

### 16.3. Pause

Electronic toggle key ( ▶ || )

Mode	Action	Description	Display (Upper)
MP3-CD Stop	Press Pause	Pause MP3/WMA playback	MP3 (or WMA) & TRK icons on “<Track number>”, “<Track Laptime >” frozen & flashing (0.5s)

## 16.4. Track/Title Skip

Electronic combined keys (⏮, ⏭)

Mode	Action	Description	Display
MP3/ WMA Stop	Press ⏭	Skip to next file (Stop at the beginning of next track)	MP3 (or WMA) icon is on .Display show “<first album number>”, “<Next track number >”, after 5 seconds haven’t play the selected track ,display will return to “<Total album number >”, “<Total track number >”
MP3/ WMA Play	Press ⏭	Skip to next file and start playing	MP3 (or WMA) icon is on TRK icon is on “<Next track number>, “<Track Laptime>”
MP3/ WMA Pause	Press ⏭	Skip to next file (Pause at the beginning of next track)	MP3 (or WMA) icon is on TRK icon is on “<Next track number>”, “<00:00>” flashing
MP3/ WMA Stop	Press ⏮	Skip to previous file (Stop at the beginning of previous track)	MP3 (or WMA) icon is on .Display show “<Previous album number>”, “<Previous track number >”, after 5 seconds haven’t play the selected track ,display will return to “<Total album number >”, “<Total track number >”

Mode	Action	Description	Display
MP3/ WMA Play	Press ⏮	Press ⏮ key once: Skip to beginning of current file and start playing  Press ⏮ key twice: Skip to beginning of previous file	MP3 (or WMA) icon is on TRK icon is on “<Track number>, “<Track Laptime>”  MP3 (or WMA) icon is on TRK icon is on

		<p>and start playing</p> <p>(Playtime of track is 00:00)</p> <p>Press ⏮ key once:</p> <p>Skip to beginning of previous file and start playing</p>	<p>“&lt;Last track number&gt;, “&lt;Track Laptime&gt;”</p>
<p>MP3/ WMA Pause</p>	<p>Press ⏮</p>	<p><b>Back to beginning of current track (Pause at the beginning of current track)</b></p> <p><b>Press ⏮ key twice:</b></p> <p><b>Skip to beginning of previous track and pause.</b></p> <p><b>(Playtime of track is 00:00)</b></p> <p><b>Press ⏮ key once:</b></p> <p><b>Skip to beginning of previous track and pause.</b></p>	<p>MP3 (or WMA) icon is on TRK icon is on “&lt;Track number&gt;”, “&lt;00:00&gt;” flashing</p>

**Remarks:**

If the system reaches the first or last of the MP3/WMA files, the Track Skip will be continue.

If ⏮ key is pressed while the last file of the current album is played, the unit will play the first file of the next album (for previous function is vice versa).

## 16.5. Search

On set: Electronic combined keys (⏮/⏪, ⏩/⏭)

On remote control: Electronic keys (⏮, ⏭)

Mode	Action	Description	Display
MP3/ WMA Play	Press and hold ⏩ (or ⏭ on remote control) >0.5s	Fast forward search (Playback resume after search release)	MP3 (or WMA) & TRK icon is on “<Track number>”, “<Track Laptime>”
MP3/ WMA Pause	Press and hold ⏩ (or ⏭ on remote control) >0.5s	Fast forward search (Stays in Pause mode after search release)	MP3 (or WMA) & TRK icon is on “<Track number>”, “<Track Laptime>” flashing
MP3/ WMA Play	Press and hold ⏮ (or ⏪ on remote control) >0.5s	Fast backward search (Playback resume after search release)	MP3 (or WMA) & TRK icon is on “<Track number>”, “<Track Laptime>”
MP3/ WMA Pause	Press and hold ⏮ (or ⏪ on remote control) >0.5s	Fast backward search (Stays in Pause mode after search release)	MP3 (or WMA) & TRK icon is on “<Track number>”, “<Track Laptime>” flashing

### Remarks:

- ✓ The set will start to play the current file from the point where search button is released.
- ✓ If the FR search tills the beginning of the first file, normal playback of first file will resume after search release.
- ✓ If the FF search tills the end of the last file, it will jump to stop mode after search release.
- ✓ For Repeat one track mode, press and hold ⏮/⏩ key on set (or ⏮/⏭ on remote control) will keep searching the current track until search release.
- ✓ For Repeat all mode, press and hold ⏩ key on set (or ⏭ on remote control) till the end of the disc, the set will start to play the first track of current disc after search release.

## 16.6. USB PLAY MODE: Repeat / Shuffle

On Set:

- Electronic toggle keys (PLAY MODE), toggles between REPEAT (current track) / REPEAT ALBUM (MP3 only) / REPEAT ALL (all files/program) / SHUFFLE / Normal playback.

On Remote control:

- Electronic toggle key (REPEAT), toggles between REPEAT (current track) / **REPEAT ALBUM (MP3/WMA only)** / REPEAT ALL (all files/program) / Normal playback.
  - Electronic toggle key (SHUFFLE), toggles between SHUFFLE / Normal playback.
1. To select Repeat play mode, press PLAY MODE key on set (or REPEAT key on remote control) in stop mode or during playback until the corresponding display flag ( **REP** / **REP ALL** / **REP ALBUM** ) shows on display.
  2. To select Shuffle play mode, press PLAY MODE key on set (or SHUFFLE key on remote control) in stop mode or during playback until the Shuffle flag ( **SHUF** ) shows on display.
  3. Press ► || button to start Repeat/Shuffle playback if in stop mode.
  4. To return to normal playback, press PLAY MODE key on set (or REPEAT/SHUFFLE key on remote control) until Repeat/Shuffle flag turn off.
  5. Press STOP button during Repeat/Shuffle playback will stop playback and cancel Repeat/Shuffle mode.

### **Remark:**

- ✓ No Repeat + Shuffle function.
- ✓ MP3/WMA: In case SHUFFLE is activated, all tracks stored on the disc will be played in random order (neglecting in which album they are stored).
- ✓ No Program Shuffle function

## 16.7. Program

Electronic key (PROG)

Up to 40 files can be stored in the desired sequence.

Mode	Action	Description	Display
MP3/WMA Stop	Press PROG	To start new programming	“01 PR 01” and PROG icon on at that time PR“01” flash ,meaning is now programming Program 1
MP3/WMA Programming	Press ALBUM +/- Press ◀▶	To select album To select track	“01” PR flash meaning is now selecting which track .

Mode	Action	Description	Display
MP3/WMA Programming	Press PROG	To store the selected track into the programming list	“01 PR 01”→ “01 PR 02”, meaning is now can going to select Program 2.
MP3/WMA Programming	Press STOP	Exist programming and don't start playback	PROG flag on MP3 (or WMA) icon on
MP3/WMA Programming	Press PLAY	Exist programming and start playback	PROG flag on MP3 (or WMA) & TRK icons on <Track number> <Track Laptime>”.
MP3/WMA Program Play	Press Stop	Stop program play	PROG flag on MP3 (or WMA) icon on TRK icons on
	Press Stop 2 <sup>nd</sup> Time	Clear program	PROG flag off MP3 (or WMA) icon on “PROGRAM CLEARED” scroll past and then change to “<Total Album Number>” “<Total Track Number>”

### Remarks:

- ✓ Total number of stored files = 40
- ✓ When programming the album/track, continue to press the “PROG” button (w/o selecting album/tracks) can scroll back to programmed album/tracks for change.
- ✓ Display shows “Full” if attempt to program more than 40 tracks.
- ✓ The content of the program will also be deleted after a source change, power off or disconnect of USB device
- ✓ In play mode, pressing PROG key will have no response.



## 16.8. Album up / Album down

Electronic tact switch (ALBUM +/-).

Only available with a MP3/WMA file organized with album structure (sub-directories) on USB device. If the key is pushed while playing MP3/WMA files with non album structure, the set will not response.

Mode	Action	Description	Display
MP3/WMA A Stop	Album +/- –	Selects next/previous album	“<Next album number> <Next album first track number>” (After 5 seconds ,no other key press ,it will display <Total Album> < Total Track>
MP3/WMA A Play	Album +/- –	Selects next/previous album	“<Next album first track number>’ <Track Laptime>” “TRK” icon on.

## 17. BLUETOOTH

### Bluetooth Performance Considerations

Bluetooth is a short-range radio communication standard. The Bluetooth transmitter and receiver hardware in this unit has an approximate operational range of 8 meter in open space. Generally Bluetooth devices can communicate with each other clearly within a regular sized room or office. Operation between different rooms will depend on the construction of the room. It is important to recognize the fact that Bluetooth communication range may be substantially reduced if the signal passes through a solid object. Human bodies, brick and concrete walls, and heavy furniture or bookcases will reduce the operational range of your Bluetooth devices. Glass, dry-wall or wood paneled walls and office partitions may have a less severe but noticeable effect. You should position your Bluetooth devices closer to each other if you observe communication difficulties.

### 17.1. Bluetooth connection message

Display Message	Audio	Meaning
PAIRING	---	BTM288 is visible to any devices that wish to pair with it
PHONE CONNECTED	Double beep	Mobile phone has connected to BTM288 using Bluetooth hands-free or headset profile
STEREO CONNECTED	Double beep	Capable device has connected to BTM288 using Bluetooth stereo profile
DISCONNECT PHONE	Long beep	Mobile phone disconnected
DISCONNECT STEREO	Long beep	Stereo music disconnected
DISCONNECTED ALL	Long beep	All profiles disconnected
FAILED	---	Pairing failed

### 17.2. Bluetooth speakerphone messages

Display Message	Audio	Meaning
-----------------	-------	---------

DIALING	Ringing tone (outgoing)	Dialing call (outgoing)
CALLING	Ringing, phone dependent	Incoming call
+1234567	---	Caller ID incoming call
IN CALL	Call audio	Call started
CALL END	Short beep	Call ended
TRANSFER	---	Transfer from unit to handset or back
HOLD	---	Mute the microphone

## 17.3. Bluetooth status indicator

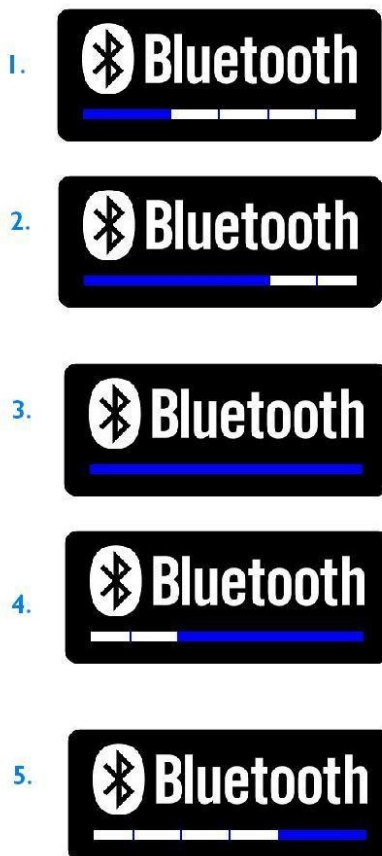
Bluetooth Micro BTM670/688/630/229

Lighting effect v.3

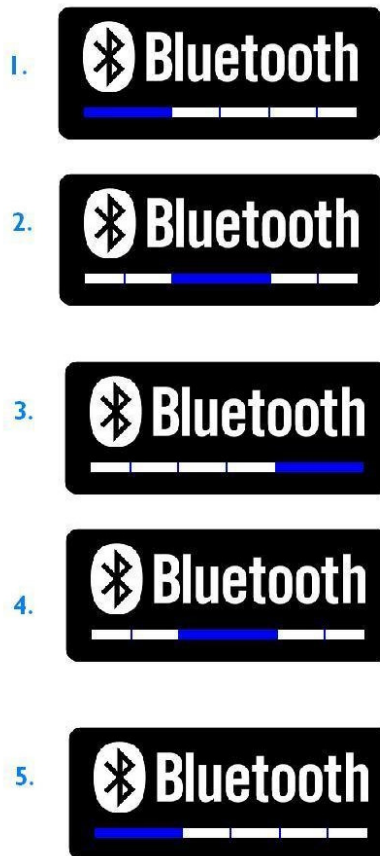
Date: 28 June 2007

Status	Animation
1. Bluetooth off	N/A
2. A2DP audio streaming	B
3. Telephone call	A
4. Pairing	C

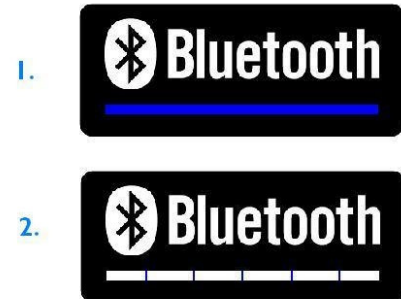
Animation A.



Animation B.



Animation C.



## 17.4. Connecting a Mobile Phone (Headset profile, Hands free profile)

### Remark:

- ✓ Please complete this procedure **AFTER** the Wireless iPod Dock has been connected.  
**\*\*\*(BTM288 don't have IPOD BT dongle)**
- ✓ This procedure requires a mobile phone with Bluetooth capability. In order to create new Bluetooth connection you will need some familiarity with the Bluetooth functions of your mobile phone. Each phone operates slightly differently, so we can give only very general guidelines in this user manual for operating mobile phone Bluetooth functions. Please take the time to familiarize yourself with powering Bluetooth on and off, searching for, pairing with and connecting to other Bluetooth devices.
- ✓ Ensure that Bluetooth radio on your mobile phone is powered on. Please refer to the phone user manual for details.
- ✓ Place the BTM288 main unit and the mobile phone where they are no more than **5 meter** apart. Press and hold the **ANSWER/PAIRING** button on the main unit or remote control for **3 seconds**: "PAIRING" flashes on the display
- ✓ Set the mobile phone to search for Bluetooth devices and follow the instructions on the phone's screen.
- ✓ Please refer to the phone user manual for details. You will recognize the BTM288 main unit by its
- ✓ Bluetooth name **"BTM288"**
- ✓ Select the BTM288 for pairing. When prompted for a passkey, enter **"0000"**
- ✓ Select the newly paired BTM288 for connection. Within a few seconds connection is complete:
  - -Double beep tone confirmation is heard
  - -Main display briefly shows **"PHONE CONNECTED"**

- **Bluebooth icon**  **is on**

**Your phone is now connected to the BTM288 main unit. If the pairing cannot be completed within one minute, the display shows "FAILED". Check connections and settings on your mobile phone and try again, or refer to Troubleshooting section.**

### **NOTE:**

- ✓ You do not need to pair your mobile phone every time you wish to reconnect it. You may select "PHILIPS BTM288" for manual reconnection using the mobile phone's controls, or set the phone to reconnect automatically.

- ✓ Some mobile phones may connect and disconnect as you make and end calls. This is not an indication of a problem with your unit.

## 17.5. Connecting a Stereo Music (A2DP)-Capable Mobile Phone

### IMPORTANT:

If you are connecting an A2DP-capable phone and you wish to use both the **A2DP (music) and hands-free (speakerphone)** functions of your phone together, you must power off the Wireless iPod Dock **before** connecting the A2DP phone (**BTM288 is no wireless iPOD dock**). A phone supporting A2DP cannot make an A2DP connection to the system if the wireless dock, (also using A2DP) is already connected; only one device supporting **A2DP** may be connected at one time. (BTM288 is not include Bluetooth Dongle )

### NOTES:

This connection requires a mobile phone supporting the Bluetooth A2DP profile for stereo music connection. Please familiarize yourself with the Bluetooth capabilities of your device before connecting. Compatibility with all devices is not guaranteed.

1. Ensure that the Bluetooth radio on your mobile phone is powered on. Please refer to the phone user manual for details.
2. Place the BTM288 main unit and the phone where they are no more than **5 meter** apart.
3. Ensure that the Wireless iPod Dock is powered off. Wait about 30 seconds for the dock connection to terminate. The unit will show "**DISCONNECT STEREO**".
4. Press and hold the **ANSWER/PAIRING** button on the main unit or remote control for 5 seconds . "**PAIRING**" flashes on the display.
5. Set the A2DP-capable phone to search for Bluetooth devices and follow the instructions on the phone's screen. You will recognize the BTM288 main unit by its Bluetooth name "**BTM288**". Please refer to the phone user manual for details.
6. Select the BTM288 for pairing. When prompted for a passkey, enter "**0000**".
7. Select the newly paired BTM288 for connection. Within a few seconds connection is complete.  
-Double beep confirmation tone is heard

- **Bluetooth icon**  **is on**

-Main display briefly shows "**PHONE CONNECTED**" followed by "**STEREO CONNECTED**"\*

-You may be asked to grant permission for "AVRCP" or "Remote Control" functions. You should grant this permission for complete connection.

8. Your phone is now connected to the BTM288 main unit for both speakerphone and music streaming functions.

**NOTE:**

Some mobile phones may connect and disconnect the A2DP profile between tracks. This behavior is not an indication of a problem with your unit.

## **17.6. BLUETOOTH SPEAKERPHONE OPERATION**

The Bluetooth speakerphone functions of BTM288 allow easy conference calling and seamless switching between music playback and making or receiving phone calls. When you make or receive a call, music playback will pause and restart again once the call is complete. Incoming calls are notified with a call alert tone and caller ID if available.

### **17.6.1. Speakerphone Placement and Use**

The BTM288 speakerphone is designed to provide excellent performance and voice clarity in a variety of environments. BTM288 integrates a high quality, adjustable microphone and noise cancellation processing technology for the clearest sound. In order to get the best performance from your system, please follow these guidelines for placement and use:

**1) Choose a quiet environment.**

The microphone on the unit will pick up your voice, as well as some amount of background noise. Using this unit in a quiet place will make it easier for the party you are calling to hear your voice.

**2) Minimize echo in the room.**

Using this unit in a room that has carpets, drapes and soft furnishings will give better performance than using in a room with highly reflective surfaces such as tile, concrete and glass.

**3) Keep in range of the microphone.**

The closer you speak to the microphone, the more clearly your voice will be heard. If you are within **2 meter** of the microphone you may talk at a normal volume and your voice should be clear to the party you are calling. If you move beyond **3 meter**, you will need to raise your voice in order to be heard clearly. Use beyond **3 meter** range is not recommended.

#### 4) Choose a sensible listening volume.

This unit is designed to perform best at moderate listening levels. If you increase the volume too much, you may begin to hear an echo. The best listening level is normally a **maximum volume level of 10.**

#### 5) Place the unit in line with your mouth.

If you will be using this unit while sitting down, place the unit at tabletop level, in line with the level of your mouth. Placing the unit on a high cabinet or on the floor may reduce the pick-up of the microphone.

### Getting Started

-Follow placement guidelines above.

**-Ensure your mobile phone is Bluetooth-capable and connected to the main unit.**

-Select BLUETOOTH mode on the main unit using the **SOURCE** button. You may listen to music if you desire.

### Placing a Call

Dial the number and press SEND on the mobile phone as usual:

- Music playback will automatically pause
- Display will show "**DIALING**"
- You will hear the ringing tone through the system.
- Display shows "**CALLING**" when other party answers.
- To end the call press "**REJECT**" on your mobile phone on the main unit or on the remote
- -Display shows "END CALL"
- -Music playback automatically resumes
- **-To Re-dial last number press and hold ANSWER/PAIRING button for 5 seconds. The call will be placed automatically.**



## Receiving a Call

When a call is placed to your mobile you will hear an incoming call alert tone through the speakers of the main unit . The main display will show "IN CALL" and display caller ID if available .

- To **accept the call**, press the **ANSWER/PAIRING** button on the main unit or remote once, or answer the call via your mobile handset in the normal way
- The display shows "**CALLING**".
- **To reject the call, press the REJECT button on the main unit or remote once, or reject the call via your mobile handset in the normal way.**
- To **transfer sound** from the speaker to your mobile handset during a call, press and hold **ANSWER/PAIRING** for 2 seconds .
- Display shows "**TRANSFER**".
- To **transfer back**, press and hold **ANSWER/PAIRING** again. Display shows "**TRANSFER**".
- To end the call ,press **REJECT** on the main unit or on the remote or end the call via your mobile handset in the normal way .
  - Display show "**END CALL**"
  - Music playback automatically resumes.

If the other party ends the call first, music will resume automatically .

## MIC MUTE Function

**While in a call you may mute the microphone on the BTM288 so that the other party cannot hear your voice**

- Press the **MUTE** button while a call is active
  - The display shows "**MIC MUTE**"
  - The microphone is muted.
- Press **ANSWER/PAIRING** again
  - Display shows "**CALLING**"
  - Microphone mute is cancelled.

## LISTENING TO MUSIC FROM YOUR STEREO (A2DP) MOBILE PHONE

BTM288 allows you to connect your A2DP-capable mobile phone, stream high-quality stereo music via Bluetooth and control music playback from the remote

### Getting Started

- Ensure your mobile phone is A2DP-capable and connected to the system.
- Press the SOURCE button to select “BLUETOOTH” mode.

### AVRCP Controlling Music Playback

Press PLAY on the mobile phone, main unit or remote. The music playback will start. The AVRCP remote control connection allows you to control music playback from the main unit or remote control.

Control	Location	Function
▶	Main Unit, remote	Press to play, press again to pause
⏮ ⏭	Main Unit, remote	Press once to select track
STOP	Main Unit, remote	Press to stop

## 17.7. OTHER BLUETOOTH FUNCTION

### Resuming Bluetooth Connections

BTM288 can store pairing information for up to seven devices and recall it at any time, allowing a portable device to reconnect whenever BTM288 is powered on, or when a device comes into communication range. Once initial pairing is completed, re-pairing of devices is not necessary. If an eighth device is paired, the pairing information for the first device is overwritten.

### Disconnecting Devices

All active Bluetooth connections can be terminated in the following way:

Press and hold the REJECT key for 5 seconds until the display shows

"DISCONNECT ALL". If after 5 seconds the display does not show any message, there are no active connections to terminate. Please remember to de-activate automatic re-connection of any device you do not wish to reconnect.

## 18. RIPPING

BTM288 allows you to record CDDA /MP3 /WMA format music and audio content to the USB or CARD device in MP3 format. Files are stored on the flash device in a specially created folder named “\_PHILIPS”, inside of that have a folder name start from “A001” will be created and the track will be put in here, the file name start from “A001T001”. If the Source media (CDDA/CDMP3) or flash device (USB/CARD) being removed, it will create another folder belong to “A001”, the name will start from “A002” (Depends on AXXX+1”) and sequentially named A002T001.MP3, A002T002.MP3 etc.

### CDDA > MP3 format ripping speed selection

- ✓ During disc playing mode operate REC function, the record time will be 1x speed. User can real time hear the music together with ripping function.
- ✓ In CD stop mode, operate REC function, the record time will be 2x speed. User can not hear the music during ripping.

### Getting Started

- ✓ Insert a USB device or SD/MMC card into the slot on the side of the main unit. If you attempt to record without any media connected, display will show “NO MEDIA”.
- ✓ Ensure that the device has spare capacity for recording.
- ✓ Bit rate or ripping quality is default as 128Kbps..

### Ripping from Disc

- ✓ Insert a disc.
- ✓ Press the **SOURCE** button to “**DISC**” mode.
- ✓ Press the **REC** button once.
  - “**USB**”, “**CARD**” or both appear on the display, the target media will be flashing. , use **◀◀** and **▶▶** to select the media. To confirm press REC key or 10 seconds later it will auto select to the selected media.
  - Display will show “REC 1” after that start ripping.
- ✓ During ripping, anytime press REC key, user can use REC toggle key to select record one track “REC 1” or record all “REC ALL”.
  - REC ALL means start record all the tracks from the track you press REC to the final track in the disc, together play the track with Music. (2x speed is no music playback)

- REC 1 means start record the track from the beginning of the track to the end of the track .No matter the user press REC key in which time of the track, it will go back to 00:00 of that track and then start recording with Music playback . (2x speed is no music playback)
- ✓ If the target record source is CDDA format ,during recording ,display will show <Track number> , <Track time> ,and then the selected media and “REC” icon will keep flashing .
- ✓ If the target record source is MP3 format ,during recording , display will show <Track number> , <Percentage count > .Percentage count will start from [00] → [100] .[100] means the ripping function for that file is finished . (MP3 ripping from one media to another media is no music playback)
- ✓ Anytime time Press **STOP** key can cancel recording.

When CDDA track playback finish or CDMP3 format percentage count is complete, recording file will save to the selected flash media and recording file is created.

## Remarks:

Ripping will be fail and the ripping file can not save cause from below reason

- **Flash Device capacity is not enough** .
- During ripping remove the Flash device or ripping source .
- During ripping if the Bluetooth connected mobile phone have call in .
- During ripping if that track haven't yet save ,press STOP or POWER key to exit REC mode .e.g.Ripping from track 1-3 using 1x ripping ,if now ripping Track 2 and the time playing to “00:53” .At that time exit REC mode ,Track 1 can be stored in the flash device,but track 2 and 3 will be cancel .

## Recording from BLUETOOTH/AUX

You may record from your BLUETOOTH/AUX.

- ✓ Press the **SOURCE** button to select ”BLUETOOTH” “AUX” mode.
- ✓ Start music/voice playback .
- ✓ Press the **REC** button once.
  - “USB” , “CARD” or both appear on the display.
  - If you have multiple media connected, use **◀◀** and **▶▶** to select the media.
- ✓ Press **REC** again to confirm or wait 10 seconds
  - “REC” and “USB” or “CARD” shows flashing on the display.
  - Recording begins.
  - Until the user press STOP key to save the file and stop ripping.

**Remarks:**

- **Bluetooth ripping is apply in A2DP mode ,can't work in HSP and HFP mode .**
- **During ripping from “BLUETOOTH” , “AUX” , if connected with a Bluetooth mobile phone and somebody call in .Until the user answer the call or user press REJECT key ripping will not stop . When the user answer the call ,ripping will be stop , and save the previous ripped sound .After end up the call ripping will not continue.**

## 19. USB/CARD DELETE and FORMAT

### Delete function :

- At USB/SD stop mode ,press and hold STOP key for 3 seconds.Display show “DEL-001”
- use track +/- key to select the target delete track .
- After select the target delete track,use PLAY key to confirm .
- Display “YES NO”,and NO (Flashing) in default .
- Use Track+/- key to select ,and press PLAY key to confirm .
- At that time delete is activate and display “DELETE” .After that track delete successfully ,display show “DEL-001”again .
- To quit delete mode ,press STOP key .

### Format function :

- At delete mode “DEL-XXX”,press and hold STOP key for 3 seconds .Display show “FORMAT?N” “N” (Flashing) in default .
- Use Track +/- ket to select alternative “Y” “N”.
- Use PLAY key to confirm the selection.
- If user select “FORMAT?Y” ,”FORMET” will display .
- If Format successful display show “COMPLETE” ,if format unsuccessful display show”FAIL”

### Remark.

- When display “DEL-XXX” user can use DISPLAY key to check the track information in detail .Sequence is File name → File number → File name →.....
- When user delete for example “DEL-005” ,after delete process finish ,display will show “DEL-005” again ,don’t suspect the track still remain ,the reason of the “005” means the original track 6 already replace original track 5 position ,so at that time if you delete “005” again ,it will delete the original track 6 .

## 20. FACTORY MODE

### ✓ Version check

In standby mode press and hold ALBUM+ combine with EJECT key until display show Develop date and version number .e.g.“04/29 14” .04/29 means the day 14 means the version number. To quit this mode ,press POWER key .

### ✓ Factory reset

Same as version checking operation method ,when the display show the date and version information ,press stop key ,display will show “NEW” after that ,BTM288 will return to factory default setting .

### ✓ Full display

In standby mode ,press and hold ALBUM- combine with DISPLAY key until full display turn on .