

# E-TUBE PROJECT Compatibility Chart

When any device which is not shown in E-TUBE PROJECT compatibility chart is connected, all components don't work.  
Confirm the E-TUBE PROJECT compatibility chart.  
Di2 with BT-DN300

Remarks  
New models: **XX-####**  
Discontinued: **XX-####**

## Master unit

1 unit from this group

## Switch unit

Max. 8 units  
(6 wired units and 2 wireless units) except satellite shifter from this group \*1

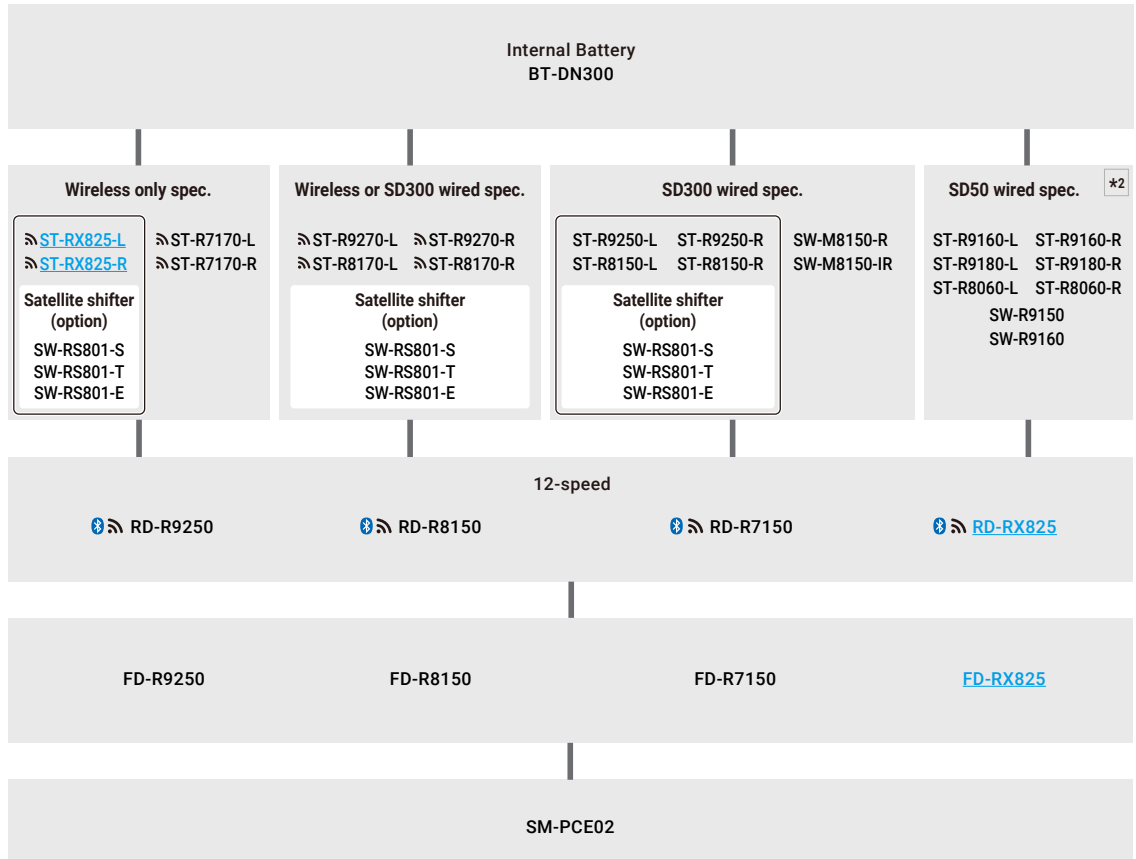
## Rear shifting system

1 unit from this group

## Front shifting system

1 unit from this group

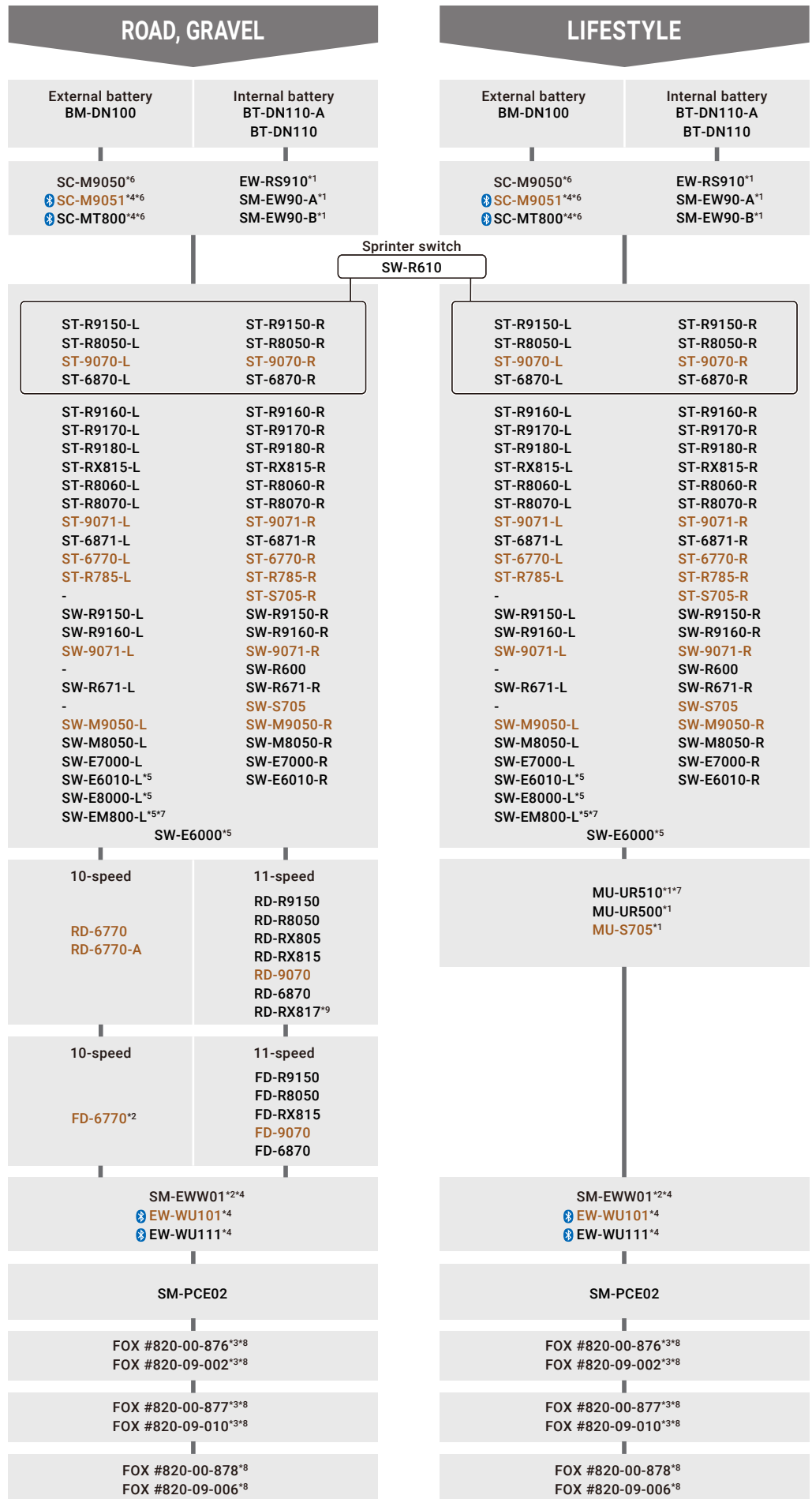
## PC linkage device



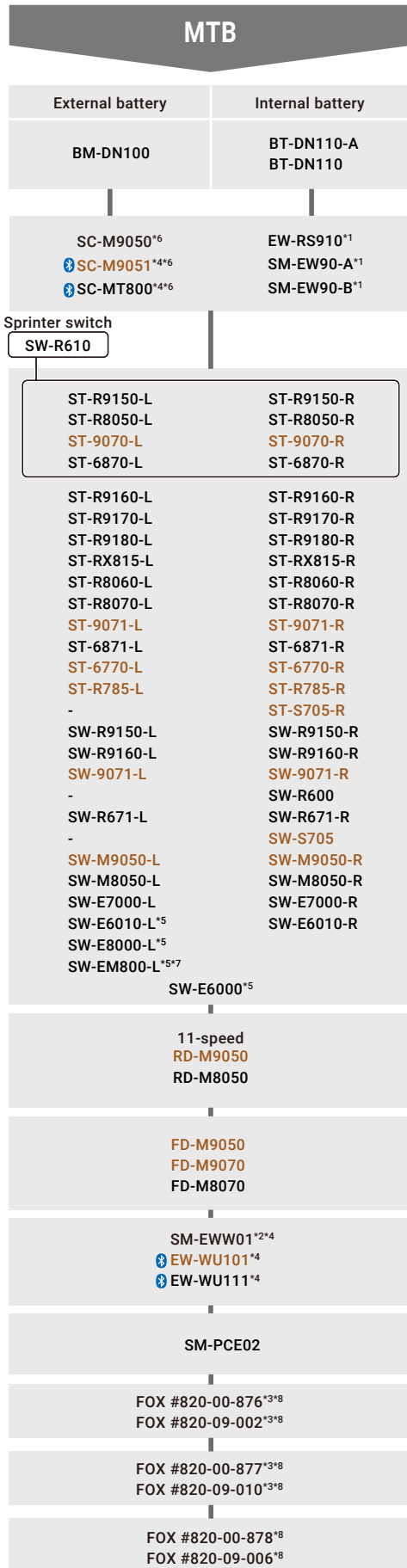
### Limitation of function with BT-DN300 ■■■■■■■■

- \*1 The number of connectable wireless units is limited as follows:  
- DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit
- \*2 EW-AD305 is needed.

Remarks  
 New models: **XX-####**  
 Discontinued: **XX-####**



Remarks  
 New models: [XX-####](#)  
 Discontinued: [XX-####](#)



**Master unit**  
1 unit from this group

**System information display or junction [A]**  
1 unit from this group

**Shift switch**  
Max. 6 unit from this group

**Rear shifting system**  
1 unit from this group

**Front shifting system**  
1 unit from this group

**Wireless unit**  
1 unit from this group

**PC linkage device**

**Front fork suspension**

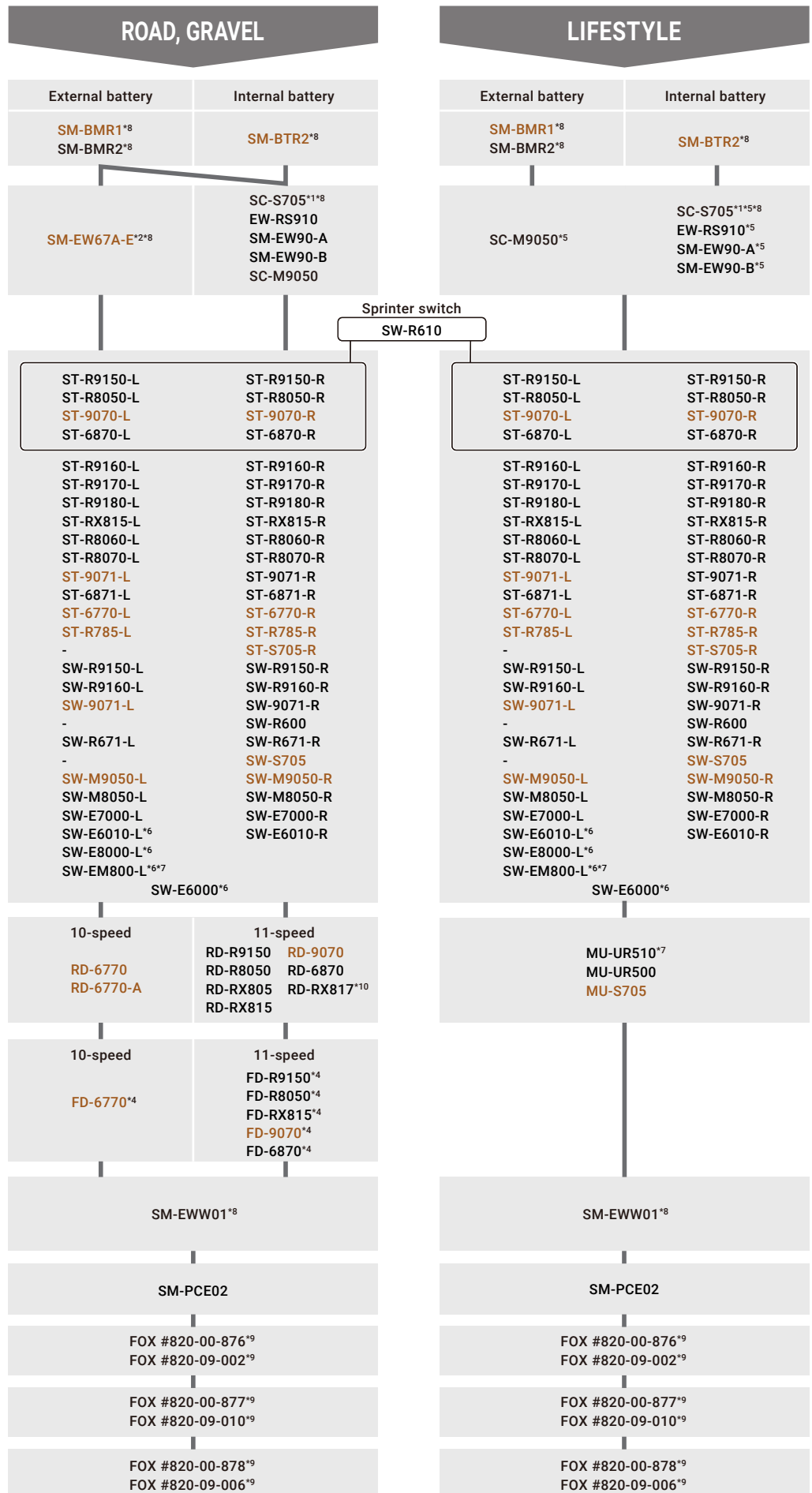
**Rear suspension**

**Suspension control switch**

**Limitation of function with BM-DN100 / BT-DN110 ■■■■■■■■**

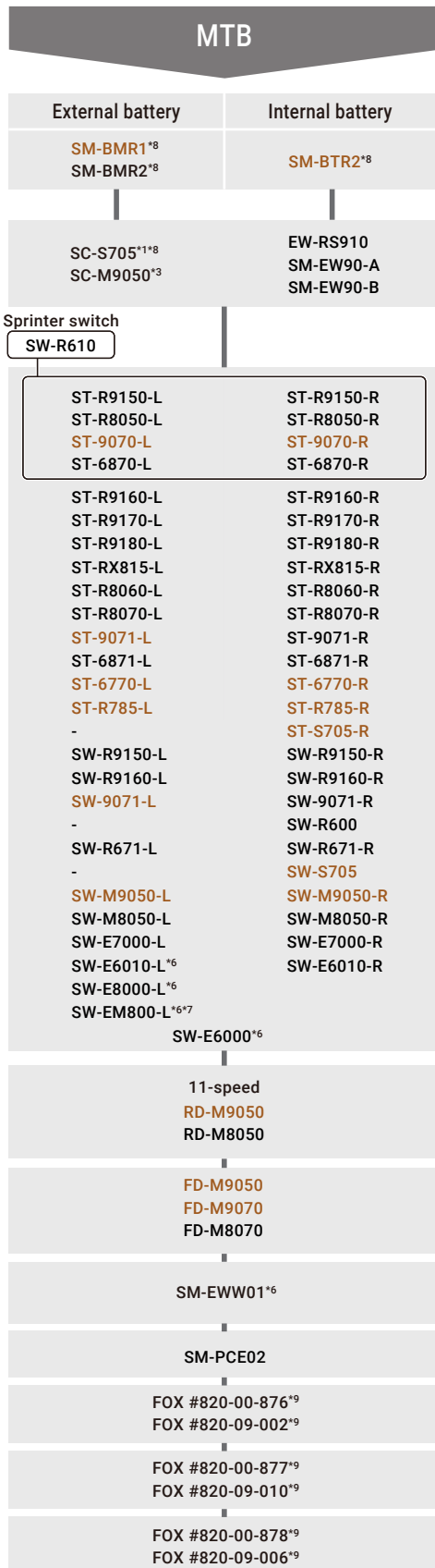
- \*1 Shifting adjustment mode for **MU-S705**, MU-UR500 and MU-UR510 is not supported (need E-TUBE PROJECT to adjust)
- \*2 Not supported by E-TUBE PROJECT Cyclist
- \*3 A designated control switch and/or the combination **SW-M9050**/SW-M8050-L with SC-M9050/**SC-M9051**/SC-MT800 is required to operate
- \*4 The system accepts just 1 unit with wireless chip (doesn't work if plural units with wireless chip are connected)
- \*5 Need to change switch setting by E-TUBE PROJECT
- \*6 SC-M9050, **SC-M9051** or SC-MT800 is required for SYNCHRONIZED SHIFT in MTB category
- \*7 This unit has SD300 port, and needs EW-AD305 for connection with SD50 port unit
- \*8 Only supported by E-TUBE PROJECT Cyclist
- \*9 For front single models only. Cannot be used in combination with a front derailleur.

Remarks  
 New models: **XX-####**  
 Discontinued: **XX-####**



- Master unit**  
1 unit from this group
- System information display or junction [A]**  
1 unit from this group
- Switch unit**  
Max. 6 unit from this group
- Rear shifting system**  
1 unit from this group
- Front shifting system**  
1 unit from this group
- Wireless unit**  
1 unit from this group
- PC linkage device**
- Front fork suspension**
- Rear suspension**
- Suspension control switch**

Remarks  
 New models: [XX-####](#)  
 Discontinued: [XX-####](#)



**Master unit**  
 1 unit from this group

**System information display or junction [A]**  
 1 unit from this group

**Switch unit**  
 Max. 6 unit from this group

**Rear shifting system**  
 1 unit from this group

**Front shifting system**  
 1 unit from this group

**Wireless unit**  
 1 unit from this group

**PC linkage device**

**Front fork suspension**

**Rear suspension**

**Suspension control switch**

Limitation of function with **SM-BMR1** / **SM-BMR2** / **SM-BTR2** ■■■■■■■■■■

- \*1 SC-S705
  - Front derailleur position will not appear on display.
  - Recovery from Rear derailleur protection function is not available.
  - Front / Rear derailleur adjustment mode is not available. Use E-TUBE PROJECT software.
  - SC-S705 has only 1 SD50 port for ST / SW.
  - SC-S705 may not turn on the display by front shift switch.
- \*2 SM-BCR2 requires any device which has charging port.  
**SM-EW67-A-E** (Junction [A]) is not compatible with SM-BCR2 and **SM-BTR2**.
- \*3 SC-M9050 is required for SYNCHRONIZED SHIFT in case with MTB-type Rear Derailleur
- \*4 SYNCHRONIZED SHIFT is not available with Road-type Rear Derailleur
- \*5 Shifting adjustment mode for **MU-S705**, MU-UR500 and MU-UR510 is not supported (need E-TUBE PROJECT to adjust)
- \*6 Need to change switch setting by E-TUBE PROJECT
- \*7 This unit has SD300 port, and needs EW-AD305 for connection with SD50 port unit
- \*8 Not supported by E-TUBE PROJECT Cyclist
- \*9 Only supported by E-TUBE PROJECT Cyclist
- \*10 For front single models only. Cannot be used in combination with a front derailleur.

## 2nd generation (Gen.2) battery management system

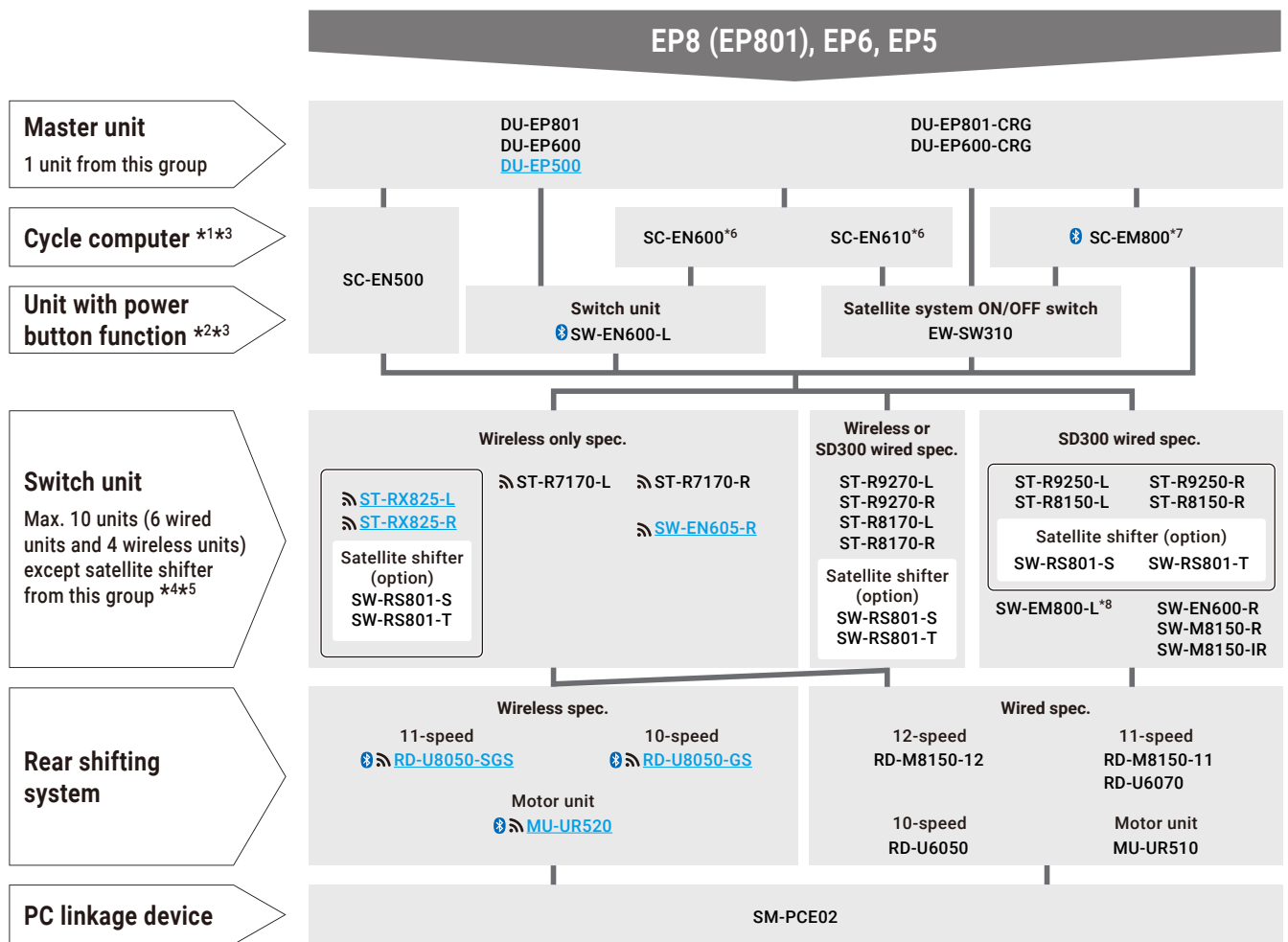
This is a compatibility table when using the following batteries.

- SHIMANO E-BIKE SYSTEMS Gen.2 battery
- Battery with hardware and firmware compatible with Gen.2 made by partner manufacturers.

\* Gen.2 battery management system is not compatible with a battery with hardware and firmware compatible with conventional system made by partner manufacturers.

### Remarks

New models: **XX-####**  
Discontinued: **XX-####**



### Limitation of function ■■■■■■■■

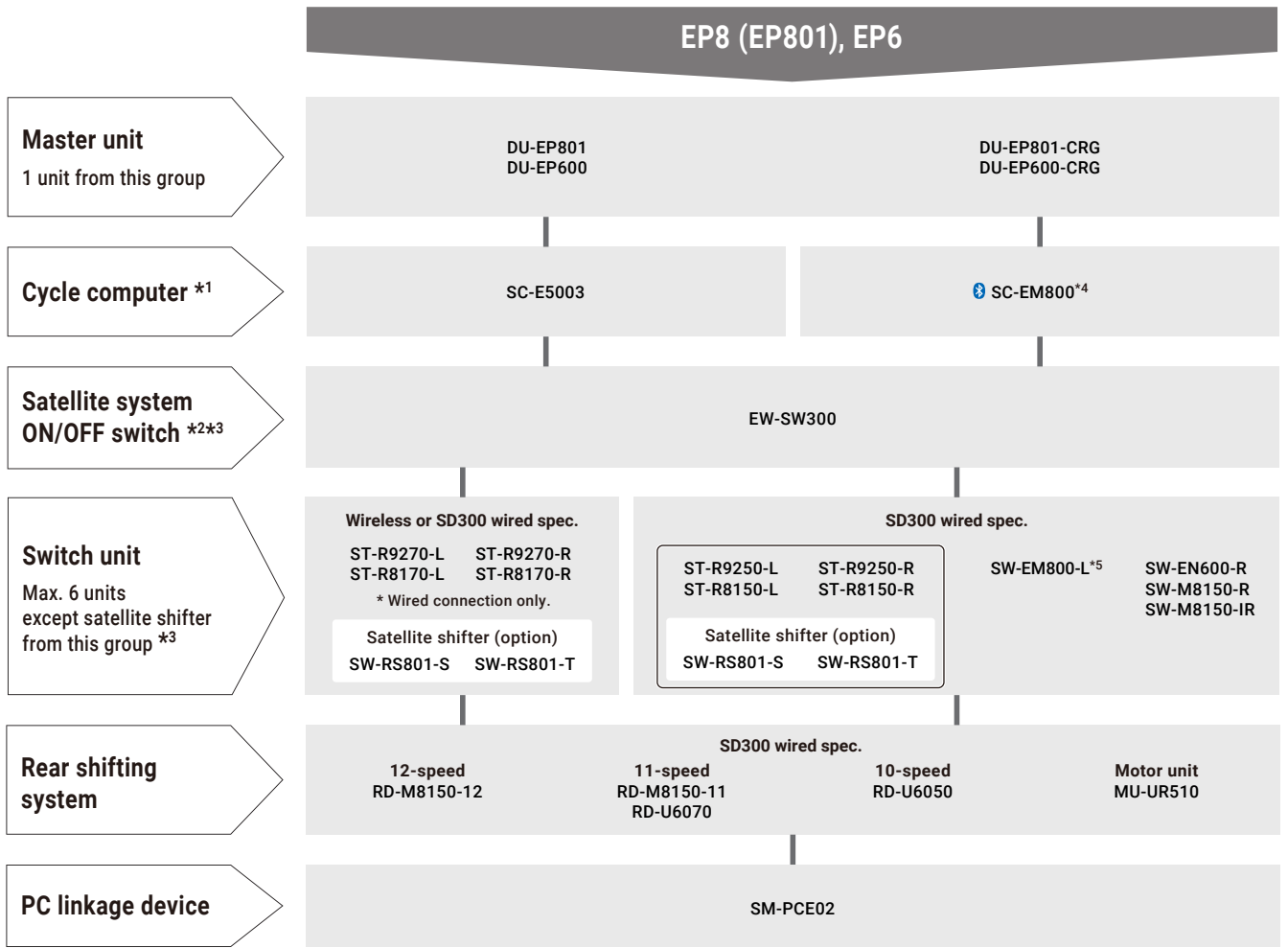
- \*1 When system has unit with power button function, cycle computer isn't mandatory.
- \*2 When the cycle computer, switch unit, and other units has power ON / OFF function, the unit with power button function isn't mandatory.
- \*3 When system has 3rd party CAN cycle computer, SHIMANO cycle computer and the unit with power button function isn't mandatory.
- \*4 Switch units are defined by model no. [SW], [ST], and [EW-SW] in this chart.
- \*5 The number of connectable wireless units is limited as follows:
  - DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit
  - Switch unit: maximum of one SW-R/IR, maximum two of SW-LR
- \*6 Switch unit is mandatory for assist control.
- \*7 When drive unit (US class 3) is connected, cycle computer can displays main screen (speed and assist bar) only.
- \*8 Need to change switch setting by E-TUBE PROJECT to use as shift switch.



**1st generation battery management system for partner manufacturers' battery**

\* This is a compatibility table when using a battery made by a partner manufacturer that ensures compatibility only by updating the firmware.

Remarks  
 New models: [XX-####](#)  
 Discontinued: [XX-####](#)



**Limitation of function** ■■■■■■■■

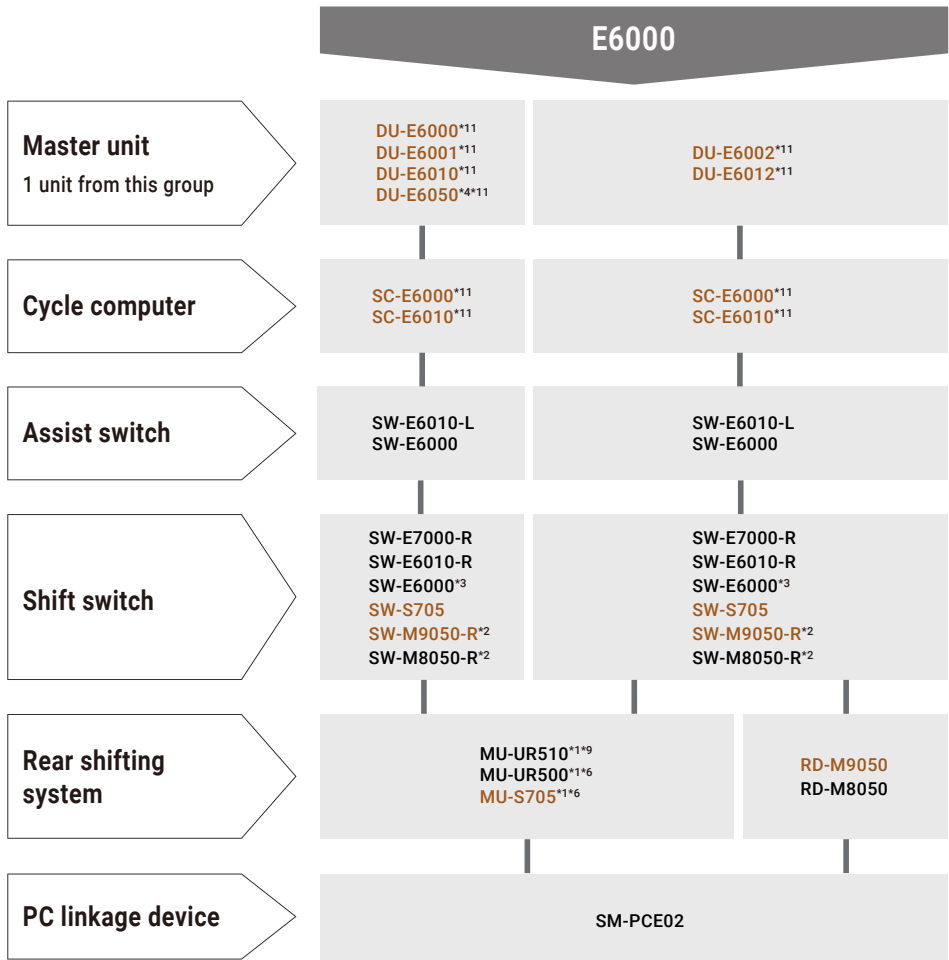
- \*1 Cycle computer is mandatory.
- \*2 When power on/off function on other unit, satellite power on/off switch isn't mandatory.
- \*3 Switch units are defined by model no. [SW], [ST], and [EW-SW] in this chart.
- \*4 When drive unit (US class 3) is connected, cycle computer can displays main screen (speed and assist bar) only.
- \*5 Need to change switch setting by E-TUBE PROJECT to use as shift switch.

### 1st generation battery management system

\* This is a compatibility table when using the following batteries.

- SHIMANO E-BIKE SYSTEMS 1st generation battery
- Battery with hardware and firmware compatible with conventional system made by partner manufacturers.

Remarks  
 New models: [XX-####](#)  
 Discontinued: [XX-####](#)



Remarks  
 New models: **XX-####**  
 Discontinued: **XX-####**

## E8000/E8080

**Master unit**  
 1 unit from this group

DU-E8000  
 DU-E8080<sup>5</sup>

**Cycle computer or junction [A]**

SC-E6010 <sup>*11</sup>	SC-E8000 <sup>*8</sup>	<ul style="list-style-type: none"> <li>SC-EM800<sup>*9</sup></li> <li>SC-E7000</li> <li>SC-E6100</li> <li>SC-E5000<sup>*10*11</sup></li> <li>SC-E5003<sup>*9*10*11</sup></li> <li>EW-EN100</li> </ul>
-------------------------	------------------------	---

**Assist switch**

SW-E6010-L SW-E6000	SW-EM800-L <sup>*9</sup> SW-E8000-L SW-E7000-L SW-E6010-L SW-E6000 SW-M9050-L SW-M8050-L	SW-EM800-L <sup>*9</sup> SW-E8000-L SW-E7000-L SW-E6010-L SW-E6000 SW-M9050-L SW-M8050-L ST-R8070-L ST-RX815-L
------------------------	--	--

**Shift switch**

SW-E7000-R SW-E6010-R SW-E6000 <sup>*3</sup> SW-S705 SW-M9050-R SW-M8050-R	SW-E7000-R SW-E6010-R SW-E6000 <sup>*3</sup> SW-S705 SW-M9050-R SW-M8050-R	SW-E7000-R SW-E6010-R SW-E6000 <sup>*3</sup> SW-S705 SW-M9050-R SW-M8050-R ST-R8070-R ST-RX815-R
---	---	---

**Satellite system ON/OFF switch**

EW-SW100  
 EW-SW300<sup>\*9</sup>

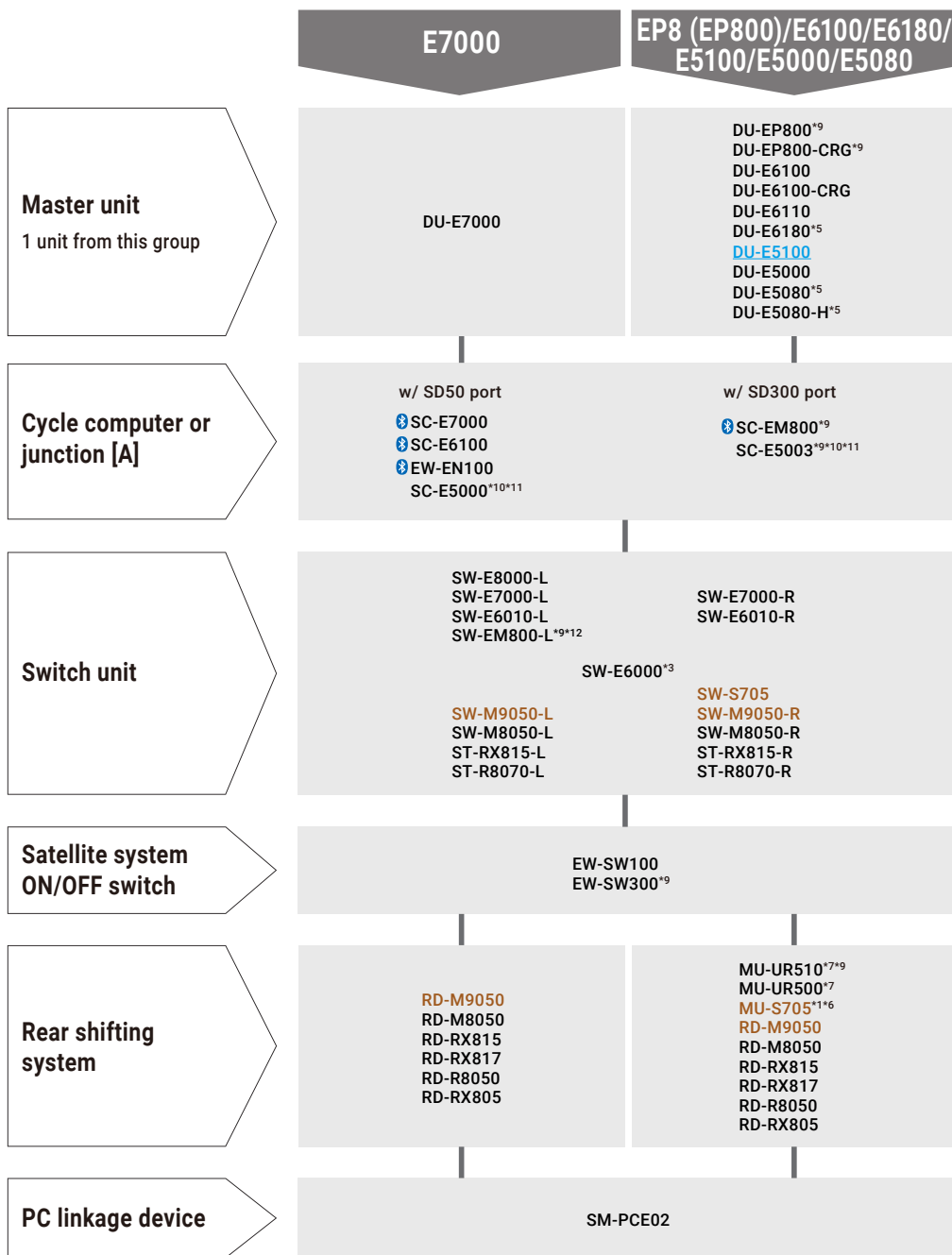
**Rear shifting system**

RD-M9050 RD-M8050	RD-M9050 RD-M8050	RD-M9050 RD-M8050 RD-RX815 RD-RX817 RD-R8050 RD-RX805
----------------------	----------------------	--

**PC linkage device**

SM-PCE02

Remarks  
 New models: **XX-####**  
 Discontinued: **XX-####**



**Limitation of function ■■■■■■■■**

- \*1 Automatic gear shifting is available only with 8-speed internal geared hubs (Not available with rear derailleurs).
- \*2 Not support automatic shift.
- \*3 Need to change Switch setting by E-TUBE PROJECT.
- \*4 North American market only.
- \*5 Japanese market only.
- \*6 Available only with 11-speed and 8-speed internal geared hubs.
- \*7 Automatic gear shifting is available only with 8 speed and 5 speed internal geared hub system. (Not available with Rear Derailleur)
- \*8 Not available in Japan market.
- \*9 This unit has SD300 port, and needs EW-AD305 for connection with SD50 port unit.
- \*10 SC-E5000, SC-E5003 is only for ø22.2 handlebar. Drop handlebar is unavailable.
- \*11 Not supported by E-TUBE PROJECT Cyclist.
- \*12 To use as a shift switch, the switch settings need to be changed in E-TUBE PROJECT.

**Remarks**  
 New models: [XX-####](#)  
 Discontinued: [XX-####](#)

**Switch unit**  
 Max. 4 wireless units  
 except satellite shifter  
 from this group \*1

Wireless only spec.

[ST-RX825-L](#)   [ST-RX825-R](#)   [ST-R7170-L](#)   [ST-R7170-R](#)  
[SW-EN605-R](#)

Satellite shifter (option)  
[SW-RS801-S](#)   [SW-RS801-T](#)

Wireless or SD300 wired spec.

[ST-R9270-L](#)   [ST-R9270-R](#)  
[ST-R8170-L](#)   [ST-R8170-R](#)

\* Wireless connection only.

Satellite shifter (option)  
[SW-RS801-S](#)   [SW-RS801-T](#)

**Rear shifting system**

[RD-U8050-SGS](#)   [RD-U8050-GS](#)   [MU-UR520](#)

**Di2 adapter**

[EW-PS300](#)

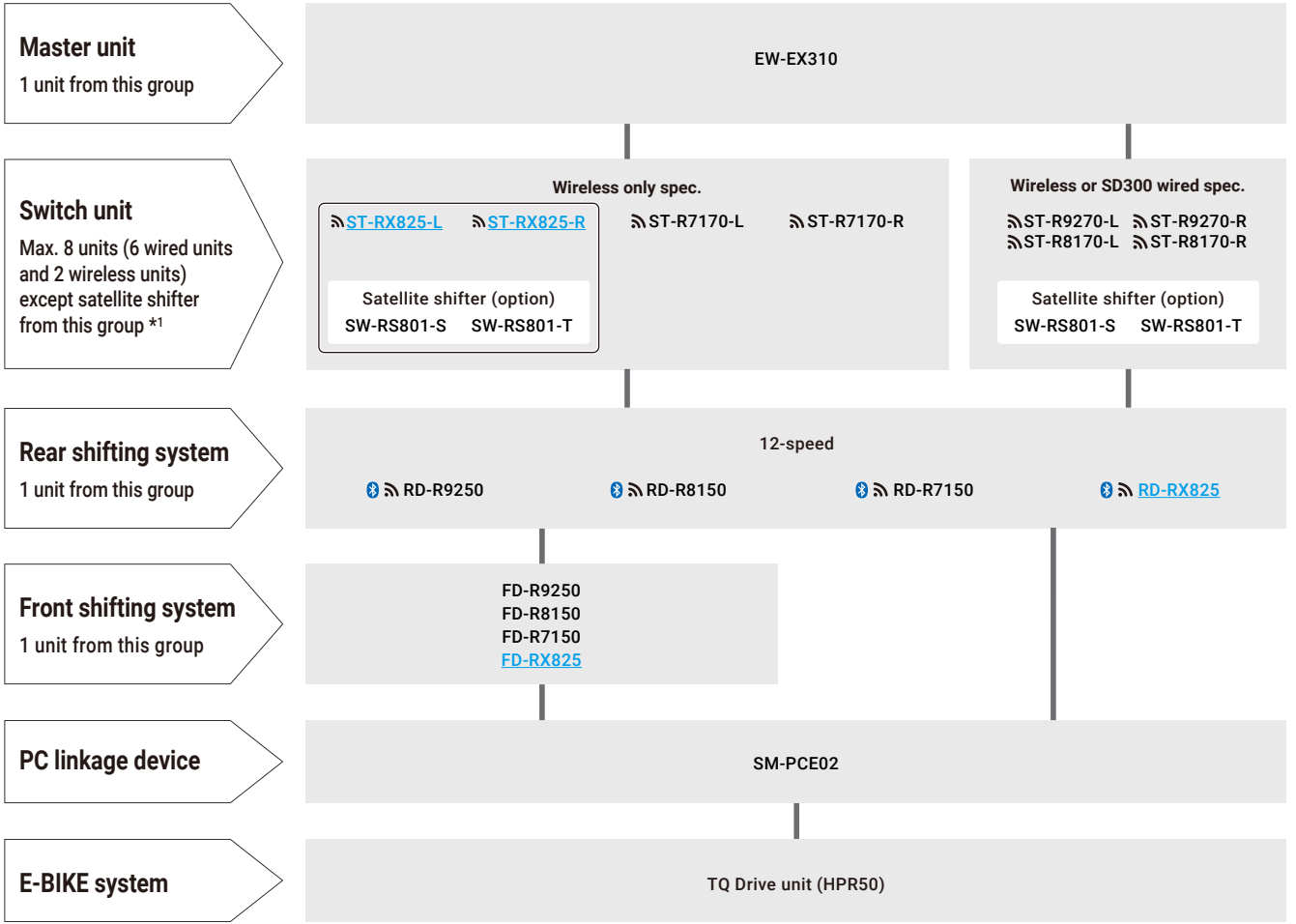
**E-BIKE system**

Bosch / The smart system

**Limitation of function** ■■■■■■■■

\*1 The number of connectable wireless units is limited as follows:  
 - DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit  
 - Switch unit: maximum of one SW-R/IR, maximum two of SW-LR

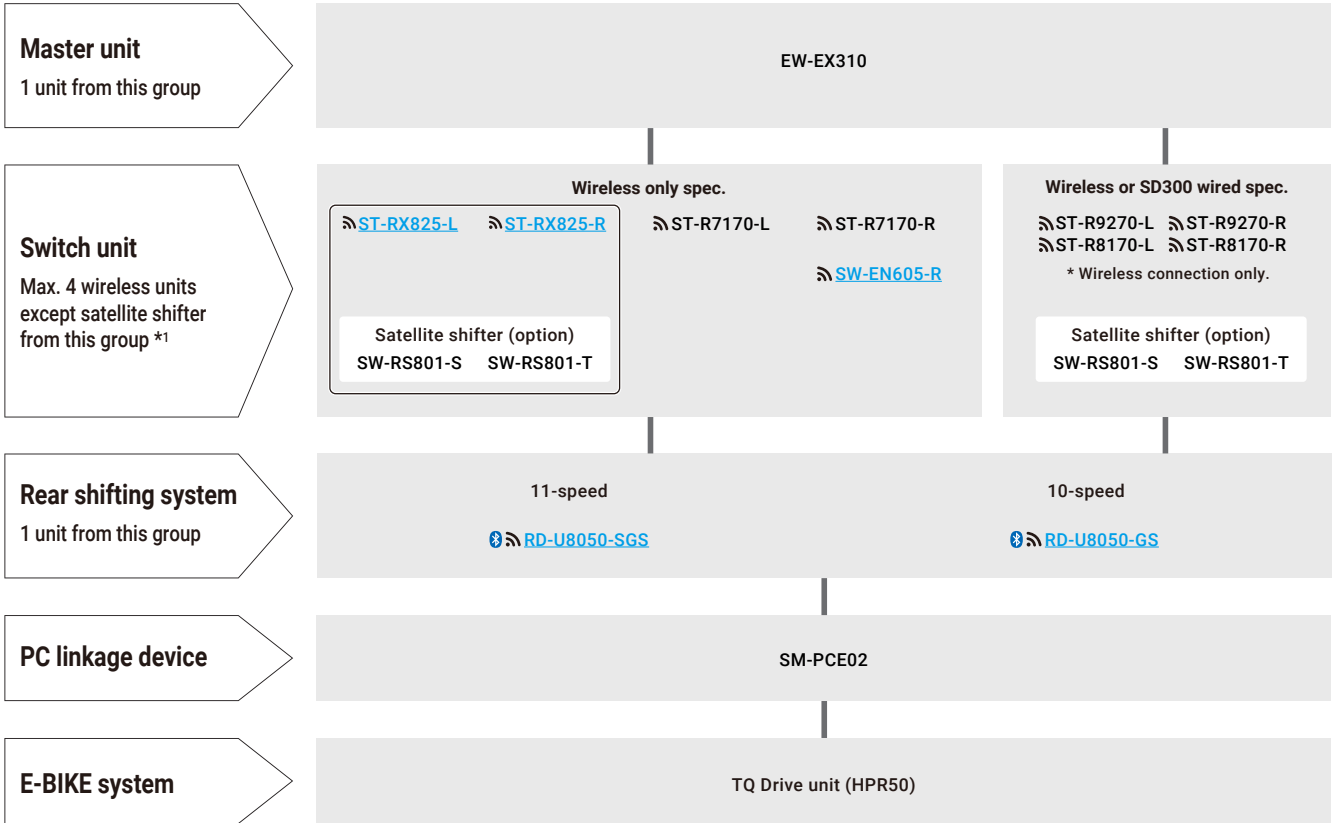
Remarks  
 New models: [XX-####](#)  
 Discontinued: [XX-####](#)



**Limitation of function ■■■■■■■■**

\*1 The number of connectable wireless units is limited as follows:  
 - DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit

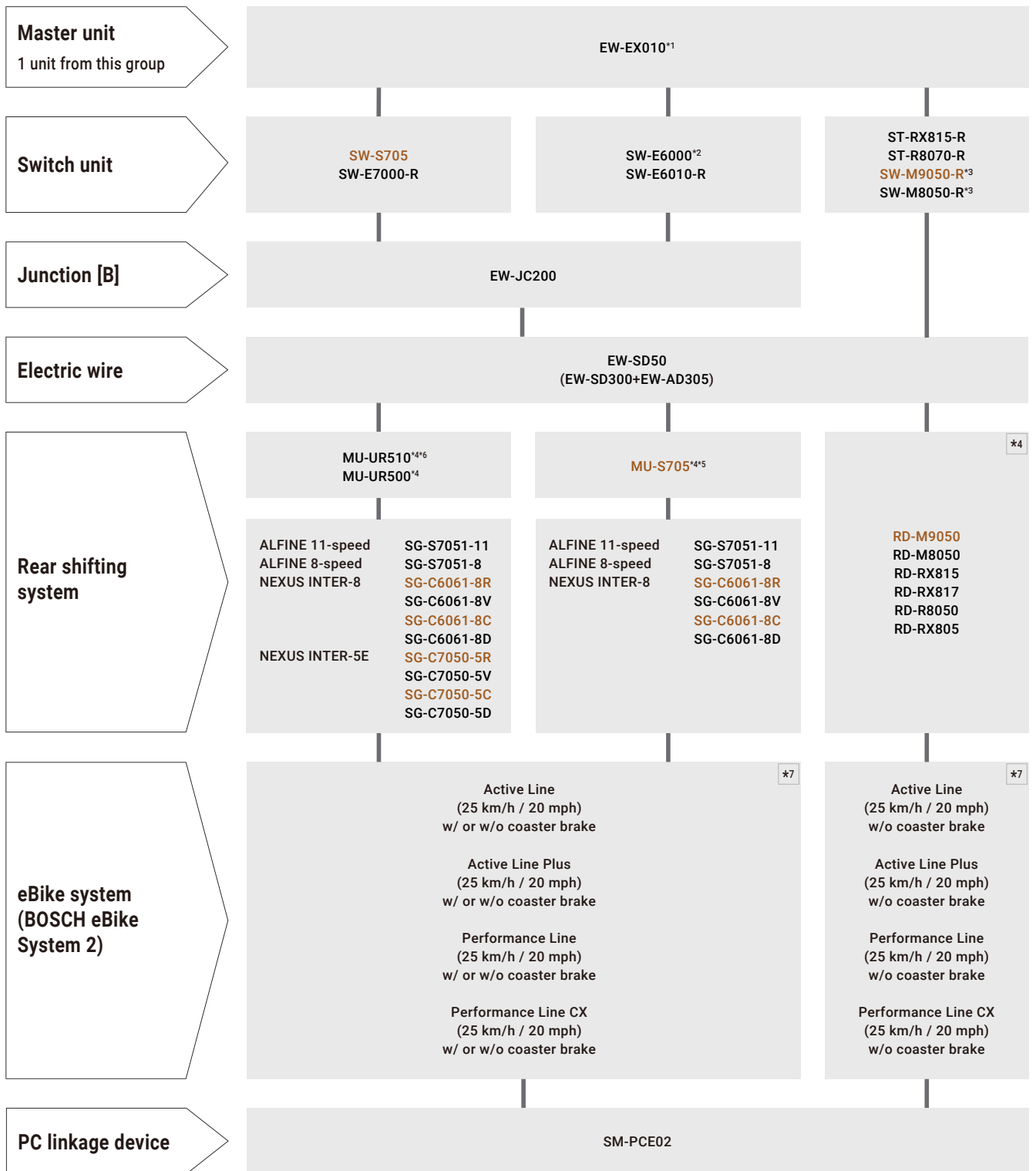
Remarks  
 New models: [XX-####](#)  
 Discontinued: [XX-####](#)



**Limitation of function ■■■■■■■■**

- \*1 The number of connectable wireless units is limited as follows:
- DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit
  - Switch unit: maximum of one SW-R/IR, maximum two of SW-LR

**Remarks**  
 New models: **XX-####**  
 Discontinued: **XX-####**



**Limitation of function** ■■■■■■■■

- \*1 EW-EX010 and BOSCH eBike system are connected by Y-harness which is provided by BOSCH
- \*2 Need to change switch setting by E-TUBE PROJECT.
- \*3 Cannot change manual gear shifting to automatic gear shifting and its opposite.
- \*4 Automatic gear shifting is available only with internal geared hub by **MU-S705** / MU-UR500 / MU-UR510. (Not available with rear derailleur)
- \*5 Compatible with 8-speed and 11-speed internal geared hub system only.
- \*6 This unit has SD300 port and needs EW-AD305 for connection with SD50 port unit.
- \*7 No compatibility with "Classic+ Line" and "Performance Line (45 km/h)".