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Tips for Selecting Electronics and Power Functions for X-SERIES

[Examples and codes used in this document refer to the Xperience2 model chair]

NOTE: As of Mar 2020, VR2 electronic options have been discontinued from the Manitoba Wheelchair Program. ***Clients previously issued VR2 electronics and joysticks will remain supported by the program.*

*Justification required for these options & scenarios.

Joystick Options:

LED/Basic – up to 1 actuator	R-net Colour – Required for 2+ actuators*	Specialty Controls, OMNI2 required*
		

Scenario 1: Single Drive, NO power seat function: Basic Use

▼ EXPANDABLE ELECTRONICS - PG DRIVES R-NET CONTROLLERS

☑ ECEL90		R-net EL 90 Amp Expandable Controller
☐ ECR120		R-net PM 120 Amp Expandable Controller
☑ ECRNH	11	Harness for Expandable Controller
	Note 11	**Must be ordered with the expandable controller ECEL90 or ECR120 to interface with Joysticks or OMNI screen**

▼ EXPANDABLE ELECTRONICS - PG DRIVES R-NET JOYSTICKS

☐ ECO		Omit Joystick (For use with an Omni Display)
☑ ECELJ	12	R-net (LED) Joystick
☐ ECRJC	12	R-net Joystick with Color screen
[redacted]		LIGHTING OPERATION
[redacted]	12	R-net (LED) Joystick with Lighting Operation
[redacted]	12	R-net Joystick with Color screen and Lighting Operation
▶ [redacted]		CK
[redacted]	12	R-net Advanced Bluetooth Joystick (3.5" Screen). Lighting Operation, paddle switches, shortcut keys and stereo jacks
	Note 12	**This option requires the expandable controller ECEL90 or ECR120**

▼ JOYSTICK MOUNT

☑ JSMF		Fixed Joystick Mount
[redacted]		Swing Away Joystick Mount - Height adjustable, Angle adjustable and Multi-Axis
		☐ Set-up with standard installation to swing-a ☐ Set-up at 35° to swing-away sideways and downwards
☐ JS[redacted]M		Midline Mounted Swing Away Joystick Mount

▼ JOYSTICK MOUNT SUPPORT

☑ JSMFH	Joystick mount support Bracket

▼ JOYSTICK HAND MOUNT

☐ HML	Install Joystick on Left hand side	☐ HMR	Install Joystick on Right hand side

▼ JOYSTICK HANDLE

☑ JSH	Standard Joystick Gimble

Scenario 1 cont.: Single Drive, NO power seat function: Basic Use

▼ POWER OPTIONS & SEATING

☑	SAABA		Amyseat Rehab Seat - Seat Frame only
☐	SAPTX	16	CG Power Tilt
☐	SAPRX	16, 18	Power Recline with Integrated Shear Reduction (ISR)
☐	SAPTPRX	16, 18	CG Power Tilt and Power Recline with Integrated Shear Reduction (ISR)
☐	[redacted]		
☐	ADDPESX		**Module** - Add an 11" Power Elevating Seat to either SAPTX, SAPRX or SAPTPRX
☐	ADDMR	17, 18	**Module** - Manual Recline with Integrated Shear Reduction (ISR)

Note 16 These options include the fully adjustable Amyseat (SAABA)
Note 17 The maximum user weight capacity with this option is 250 lbs
Note 18 It is recommended to use the Contour Back Support option with the power or manual reclines (STDSB or STDSB/CUSTOM)

Scenario 2: R-Net joystick with One Power Function only (i.e., Tilt Only OR Recline Only), activation through joystick*

In this scenario, client will select the "Mode" soft-touch key on the joystick. On the Colour joystick, the display shows the picture of a wheelchair seat. Once in seat mode, use the joystick to activate tilt. Client must then select "Mode" to resume driving.

☐ Select the same electronics, joystick mount and supports as per Scenario #1

AND...

▼ POWER OPTIONS & SEATING

☐	[redacted]		
☐	SAPTX	16	CG Power Tilt
☐	SAPRX	16, 18	Power Recline with Integrated Shear Reduction (ISR)
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		

Note 16 These options include the fully adjustable Amyseat (SAABA)
Note 17 The maximum user weight capacity with this option is 250 lbs
Note 18 It is recommended to use the Contour Back Support option with the power or manual reclines (STDSB or STDSB/CUSTOM)

▼ ELECTRONICS - SINGLE OR DUAL (1 OR 2 ACTUATORS) POWER SEAT FUNCTION CONTROLLERS

☐	[redacted]		
☑	EPSEL	19, 20	Tilt or Elevating seat activaton through **RNET 90 Amp Expandable Controller (ECEL90)**
☐	[redacted]		
☐	[redacted]		

With the SAC or DAC, please select one activation and position from the list below

☑	SWTJSS	21, 22	Single actuator activation through R-net Joystick or Specialty Controls EPSR2A	
☐	[redacted]			
☐	[redacted]			☐ User Activation
☐	[redacted]			☐ User Activation
☐	[redacted]			☐ User Activation

Note 19 Allows for the activation of a single power option through the VR2 or R-net 90 Amp Controllers.
Only the Power Tilt or Elevating seat options are available with this feature.
Note 20 These options do not require the SAC controller as they connect via the chair's power module directly
Note 21 Requires the R-net 90 Amp (ECEL90) or the 120 Amp (ECR120) Fully Expandable Controllers
Note 22 Requires the Single (1 Actuator) Power Seat Function (SAC)
Note 23 Requires the Dual (2 Actuators) Power Seat Function (DAC)

Scenario 3: R-Net joystick with One Power Function only (i.e., Tilt Only OR Recline Only), activation through separate switch*

In this scenario, the client will use the switch provided to activate the tilt.

☐ Select the same electronics, joystick mount and supports as per Scenario #1

AND…

▼ POWER OPTIONS & SEATING

☐ SAPTX	16	CG Power Tilt
☐ SAPRX	16, 18	Power Recline with Integrated Shear Reduction (ISR)
☐ [redacted]		[redacted]eduction (ISR)
☐ [redacted]		[redacted]
☐ [redacted]		[redacted], SAPRX or SAPTPRX
☐ [redacted]		[redacted](ISR)

Note 16 These options include the fully adjustable Amyseat (SAABA)
Note 17 The maximum user weight capacity with this option is 250 lbs
Note 18 It is recommended to use the Contour Back Support option with the power or manual reclines (STDSB or STDSB/CUSTOM)

▼ ELECTRONICS - SINGLE OR DUAL (1 OR 2 ACTUATORS) POWER SEAT FUNCTION CONTROLLERS

☐ [redacted]		[redacted]nd Control (ECVJ6K or ECVJ9KL)	
☐ [redacted]		[redacted]p Expandable Controller (ECEL90)	
☑ SAC		Single (1) Power Seat Function Controller to Interface through R-net Electronics	
☐ [redacted]		[redacted]hrough R-net Electronics	
With the SAC or DAC, please select one activation and position from the list below			
☐ [redacted]		[redacted]Specialty Controls EPSR2A	
☐ [redacted]		[redacted]Specialty Controls EPSRA	
☐ [redacted]		[redacted]th external switches **and** through the joystick)	
☐ SWTOGGLE	22 or 23	Single Toggle Switch (Single Mode: DAC - Dual Mode: SAC)	☐ User Activation
☐ SWPUSH1	22	Single Push Button Switch (Single Mode: SAC)	☐ User Activation
☐ [redacted]		[redacted]Mode: SAC)	☐ User Activation

Note 19 Allows for the activation of a single power option through the VR2 or R-net 90 Amp Controllers. Only the Power Tilt or Elevating seat options are available with this feature.
Note 20 These options do not require the SAC controller as they connect via the chair's power module directly
Note 21 Requires the R-net 90 Amp (ECEL90) or the 120 Amp (ECR120) Fully Expandable Controllers
Note 22 Requires the Single (1 Actuator) Power Seat Function (SAC)
Note 23 Requires the Dual (2 Actuators) Power Seat Function (DAC)

Switch Options:

The prescriber must provide a justification for the switch based on assessment of client's hand and cognitive function (i.e., available range of motion, strength, and ability to use both switch and joystick at the same time).

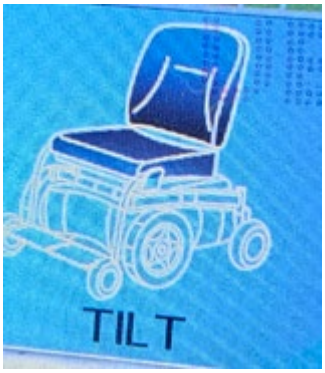
Toggle*	Single-Push Button*	Dual-Push Button*
		

Scenario 4: R-Net Joystick with Dual Power Functions, activation through joystick (up to 2 power functions – i.e., tilt & recline, or tilt & Legs, etc.)

In this scenario, client will require the colour joystick.

- *To select the desired actuator: press the "Mode" soft-touch key on the colour joystick and by deflecting the joystick to the right or left direction, the display will change icons from the wheelchair seat (indicates tilt) to backrest (indicates recline) or legs (indicates power leg rests) as per icons below.*
- *To activate the desired actuator, deflect the joystick to the forward or reverse direction. Client must then select "Mode" to resume driving.*

Example of Power Actuator Icons:



☐ Select the **ECRJC** – R-net with colour screen, joystick mount and supports as per Scenario #1

AND…

▼ POWER OPTIONS & SEATING

☐ [redacted]		
☐ SAPTX	16	CG Power Tilt
☐ SAPRX	16, 18	Power Recline with Integrated Shear Reduction (ISR)
☐ SAPTPRX	16, 18	CG Power Tilt and Power Recline with Integrated Shear Reduction (ISR)
☐ [redacted]		
☐ [redacted]		SAPRX or SAPTPRX
☐ [redacted]		(ISR)

Note 16 These options include the fully adjustable Amyseat (SAABA)
Note 17 The maximum user weight capacity with this option is 250 lbs
Note 18 It is recommended to use the Contour Back Support option with the power or manual reclines (STDSB or STDSB/CUSTOM)

▼ ELECTRONICS - SINGLE OR DUAL (1 OR 2 ACTUATORS) POWER SEAT FUNCTION CONTROLLERS

☐ [redacted]		
☐ [redacted]		
☐ [redacted]		
☑ DAC		Dual (2) Power Seat Function Controller to Interface through R-net Electronics
With the SAC or DAC, please select one activation and position from the list below		
☐ [redacted]		
☑ SWTJSD	21, 23	Dual actuator activation through R-net Joystick or Specialty Controls EPSRA
☐ [redacted]		the joystick)
☐ [redacted]		
☐ [redacted]		
☐ [redacted]		

Note 19 Allows for the activation of a single power option through the VR2 or R-net 90 Amp Controllers. Only the Power Tilt or Elevating seat options are available with this feature.
Note 20 These options do not require the SAC controller as they connect via the chair's power module directly
Note 21 Requires the R-net 90 Amp (ECEL90) or the 120 Amp (ECR120) Fully Expandable Controllers
Note 22 Requires the Single (1 Actuator) Power Seat Function (SAC)
Note 23 Requires the Dual (2 Actuators) Power Seat Function (DAC)

Scenario 5: R-Net Joystick with Dual Power Functions, activation through separate switch (up to 2 power functions – i.e., tilt & recline, or tilt & Legs, etc.)

In this scenario, client will require the colour joystick and one switch to control the 2 power functions.

☐ Select the **ECRJC** – R-net with colour screen, joystick mount and supports as per Scenario #1

AND…

▼ POWER OPTIONS & SEATING

☐ SAPTX	16	CG Power Tilt
☐ SAPRX	16, 18	Power Recline with Integrated Shear Reduction (ISR)
☐ SAPTPRX	16, 18	CG Power Tilt and Power Recline with Integrated Shear Reduction (ISR)
☐ [redacted]		
☐ [redacted]		SAPRX or SAPTPRX
☐ [redacted]		(ISR)

Note 16 These options include the fully adjustable Amyseat (SAABA)
Note 17 The maximum user weight capacity with this option is 250 lbs
Note 18 It is recommended to use the Contour Back Support option with the power or manual reclines (STDSB or STDSB/CUSTOM)

▼ ELECTRONICS - SINGLE OR DUAL (1 OR 2 ACTUATORS) POWER SEAT FUNCTION CONTROLLERS

☐ [redacted]			
☐ [redacted]			
☐ [redacted]			
☑ DAC		Dual (2) Power Seat Function Controller to Interface through R-net Electronics	
With the SAC or DAC, please select one activation and position from the list below			
☐ [redacted]			
☐ [redacted]			
☑ SWDUALACT		Dual Activation (Allows to operate all seat functions with external switches **and** through the joystick)	
☐ SWTOGGLE	22 or 23	Single Toggle Switch (Single Mode: DAC - Dual Mode: SAC)	☐ User Activation
☐ [redacted]			
☐ SWPUSH2	22 or 23	Dual Push Button Switch (Single Mode: DAC - Dual Mode: SAC)	☐ User Activation

Note 19 Allows for the activation of a single power option through the VR2 or R-net 90 Amp Controllers. Only the Power Tilt or Elevating seat options are available with this feature.
Note 20 These options do not require the SAC controller as they connect via the chair's power module directly
Note 21 Requires the R-net 90 Amp (ECEL90) or the 120 Amp (ECR120) Fully Expandable Controllers
Note 22 Requires the Single (1 Actuator) Power Seat Function (SAC)
Note 23 Requires the Dual (2 Actuators) Power Seat Function (DAC)

Switch Options:

The prescriber must provide a justification for the switch based on assessment of client's hand and cognitive function (i.e., available range of motion, strength, and ability to use both switch and joystick at the same time).

Toggle*	Dual-Push Button*
	

Scenario 6: Multiple Drive Profiles, Multiple Actuators, Specialty Drive Controls*

Speak to the Clinical Specialist at MWP for direction and support.

- Assessment and consultation with Assistive Technology Products & Services strongly advised.

For Additional Support:

Sunrise Medical Customer Service:

1-800-263-3390	Ext 1	**Ted Belai**
	Ext 8183736	**Ken Kalinowski**

Manitoba Territory Representative

Currently: TBD